

Cisco Compliance Solution for PCI DSS 2.0

Design and Implementation Guide—Volume 2

Third Edition

A Cisco Validated Design



Cisco
Validated
Design





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Preface

The *Cisco Compliance Solution for PCI DSS 2.0 Design and Implementation Guide* is printed in two (2) volumes.

Volume 1 consists of the following chapters: Solution Overview, PCI and the Solution Framework, Solution Architecture, Solution Implementation, Component Assessment, and Summary. Volume 1 also contains the following appendices: Bill of Material, Cisco Products and Software Versions, Verizon Business Reference Architecture Report—Cisco PCI Solution, and the Art of Compliance.

Volume 2 provides the complete detailed configuration of the solution.



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Detailed Full Running Configurations

Data Center

WAN

ASA-WAN-1

```
ASA Version 9.1(1)
!
firewall transparent
terminal width 511
hostname ASA-WAN-1
domain-name cisco-irn.com
enable password <removed>
passwd <removed>
names
!
interface GigabitEthernet0/0
 nameif outside
 bridge-group 1
 security-level 0
!
interface GigabitEthernet0/1
 nameif inside
 bridge-group 1
 security-level 100
!
interface GigabitEthernet0/2
 shutdown
 no nameif
 no security-level
!
interface GigabitEthernet0/3
 description LAN/STATE Failover Interface
!
interface GigabitEthernet0/4
 shutdown
```

```
no nameif
no security-level
!
interface GigabitEthernet0/5
shutdown
no nameif
no security-level
!
interface GigabitEthernet0/6
shutdown
no nameif
no security-level
!
interface GigabitEthernet0/7
shutdown
no nameif
no security-level
!
interface Management0/0
management-only
no nameif
no security-level
!
interface BVI1
ip address 192.168.11.20 255.255.255.0 standby 192.168.11.21
!
boot system disk0:/asa911-smp-k8.bin
boot system disk0:/asa900-129-smp-k8.bin
ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns server-group DefaultDNS
domain-name cisco-irn.com
object network AdminStation
host 192.168.41.101
object network AdminStation2
host 192.168.41.102
object network AdminStation4-bart
host 10.19.151.99
object network EMC-NCM
host 192.168.42.122
description EMC Network Configuration Manager
object network CSManager
host 192.168.42.133
description Cisco Security Manager
object network AdminStation3
host 192.168.42.138
object network ActiveDirectory.cisco-irn.com
host 192.168.42.130
object network Stores-ALL
subnet 10.10.0.0 255.255.0.0
description all store networks
object network vSphere-1
host 192.168.41.102
description vSphere server for Lab
object network WCSManager
host 192.168.43.135
description Wireless Manager
object network PAME-DC-1
host 192.168.44.111
object network MSP-DC-1
host 192.168.44.121
description Data Center VSOM
object network DC-ALL
```

```
subnet 192.168.0.0 255.255.0.0
description All of the Data Center
object network RSA-enVision
  host 192.168.42.124
  description RSA EnVision Syslog collector and SIM
object network TACACS
  host 192.168.42.131
  description Csico Secure ACS server for TACACS and Radius
object network RSA-AM
  host 192.168.42.137
  description RSA Authentication Manager for SecureID
object network ISE-2
  host 192.168.42.112
  description HA ISE Server
object network ISE-1
  host 192.168.42.111
  description ISE server for NAC
object network MS-Update
  host 192.168.42.150
  description Windows Update Server
object network MExchange
  host 192.168.42.140
  description Mail Server
object network DC-POS
  subnet 192.168.52.0 255.255.255.0
  description POS in the Data Center
object service RPC
  service tcp destination eq 135
object service LDAP-GC
  service tcp destination eq 3268
object service LDAP-GC-SSL
  service tcp destination eq 3269
object service Kerberos-TCP
  service tcp destination eq 88
object service Microsoft-DS-SMB
  service tcp destination eq 445
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
object service LDAP-UDP
  service udp destination eq 389
object service RPC-HighPorts
  service tcp destination range 1024 65535
object service IP-Protocol-97
  service 97
  description IP protocol 97
object service TCP1080
  service tcp destination eq 1080
object service TCP8080
  service tcp destination eq 8080
object service RDP
  service tcp destination eq 3389
  description Windows Remote Desktop
object network LMS
  host 192.168.42.139
  description Cisco Prime LMS
object-group network STORE-POS
  network-object 10.10.0.0 255.255.0.0
object-group network Admin-Systems
  network-object object EMC-NCM
  network-object object AdminStation
  network-object object AdminStation2
  network-object object CSManager
  network-object object AdminStation3
  network-object object ISE-1
  network-object object ISE-2
```

```

network-object object LMS
object-group network DC-Wifi-Controllers
description Central Wireless Controllers for stores
network-object 192.168.43.21 255.255.255.255
network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
description Mobility Service Engines
network-object 192.168.43.31 255.255.255.255
network-object 192.168.43.32 255.255.255.255
object-group network DM_INLINE_NETWORK_5
network-object object ISE-1
network-object object ISE-2
network-object object RSA-AM
network-object object TACACS
object-group network DM_INLINE_NETWORK_6
network-object object ISE-1
network-object object ISE-2
object-group network DC-WAAS
description WAE Appliances in Data Center
network-object 192.168.48.10 255.255.255.255
network-object 192.168.49.10 255.255.255.255
network-object 192.168.47.11 255.255.255.255
network-object 192.168.47.12 255.255.255.255
object-group network NTP-Servers
description NTP Servers
network-object 192.168.62.161 255.255.255.255
network-object 162.168.62.162 255.255.255.255
object-group icmp-type DM_INLINE_ICMP_1
icmp-object echo
icmp-object echo-reply
icmp-object time-exceeded
icmp-object traceroute
icmp-object unreachable
object-group service DM_INLINE_TCP_3 tcp
port-object eq www
port-object eq https
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center
network-object 192.168.52.96 255.255.255.224
object-group network DC-POS-SAP
description SAP POS Communication from Store to Data Center
network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
description Oracle POS Communication from Store to Data Center
network-object 192.168.52.128 255.255.255.240
object-group service HTTPS-8443
service-object tcp destination eq 8443
object-group network DM_INLINE_NETWORK_7
network-object object MSP-DC-1
network-object object PAME-DC-1
object-group service DNS-Resolving
description Domain Name Server
service-object tcp destination eq domain
service-object udp destination eq domain
object-group network DM_INLINE_NETWORK_8
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts
service-object tcp destination eq 5989
service-object tcp destination eq 8000
service-object tcp destination eq 902
service-object tcp destination eq 903
object-group network DM_INLINE_NETWORK_9

```

```

network-object object DC-POS
group-object DC-POS-Oracle
group-object DC-POS-SAP
group-object DC-POS-Tomax
object-group service TFTP
description Trivial File Transfer
service-object tcp destination eq 69
service-object udp destination eq tftp
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
service-object udp destination eq 12222
service-object udp destination eq 12223
object-group service CAPWAP
description CAPWAP UDP ports 5246 and 5247
service-object udp destination eq 5246
service-object udp destination eq 5247
object-group service DM_INLINE_SERVICE_10
group-object HTTPS-8443
service-object tcp destination eq www
service-object tcp destination eq https
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
service-object udp destination eq 427
service-object tcp destination eq 427
object-group service DM_INLINE_SERVICE_11
group-object ESX-SLP
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq ssh
group-object vCenter-to-ESX4
object-group service CISCO-WAAS
description Ports for Cisco WAAS
service-object tcp destination eq 4050
object-group service Netbios
description Netbios Servers
service-object udp destination eq netbios-dgm
service-object udp destination eq netbios-ns
service-object tcp destination eq netbios-ssn
object-group service Cisco-Mobility
description Mobility ports for Wireless
service-object udp destination eq 16666
service-object udp destination eq 16667
object-group service DM_INLINE_SERVICE_12
group-object CAPWAP
group-object Cisco-Mobility
service-object object IP-Protocol-97
group-object LWAPP
service-object tcp destination eq https
service-object udp destination eq isakmp
object-group service DM_INLINE_SERVICE_13
service-object tcp-udp destination eq sip
service-object tcp destination eq 2000
object-group network DM_INLINE_NETWORK_2
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
network-object object WCSManager
object-group network DM_INLINE_NETWORK_3
network-object object DC-ALL
group-object STORE-POS
object-group network DM_INLINE_NETWORK_4
network-object object MSP-DC-1
network-object object PAME-DC-1
object-group service DM_INLINE_SERVICE_2
service-object icmp

```

```

group-object HTTPS-8443
service-object tcp destination eq https
service-object tcp destination eq ssh
service-object udp destination eq snmp
object-group service DM_INLINE_SERVICE_3
group-object DNS-Resolving
service-object object Kerberos-TCP
service-object object LDAP-GC
service-object object LDAP-GC-SSL
service-object object LDAP-UDP
service-object object Microsoft-DS-SMB
service-object object RPC
service-object object RPC-HighPorts
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq netbios-dgm
service-object udp destination eq ntp
object-group service DM_INLINE_SERVICE_4
service-object tcp destination eq https
service-object tcp destination eq ssh
group-object vCenter-to-ESX4
object-group service DM_INLINE_SERVICE_5
group-object CAPWAP
service-object object IP-Protocol-97
group-object LWAPP
group-object TFTP
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq ssh
service-object tcp destination eq telnet
service-object udp destination eq isakmp
object-group service DM_INLINE_SERVICE_6
group-object HTTPS-8443
service-object object RDP
service-object object TCP1080
service-object object TCP8080
service-object icmp echo
service-object icmp echo-reply
service-object tcp destination eq ftp
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq ssh
object-group service DM_INLINE_SERVICE_7
group-object CISCO-WAAS
group-object HTTPS-8443
service-object object Microsoft-DS-SMB
group-object Netbios
object-group service DM_INLINE_SERVICE_8
service-object tcp-udp destination eq sip
service-object tcp destination eq 2000
object-group service DM_INLINE_SERVICE_14
group-object CISCO-WAAS
group-object HTTPS-8443
service-object object Microsoft-DS-SMB
group-object Netbios
object-group service DM_INLINE_SERVICE_15
group-object DNS-Resolving
service-object object Kerberos-TCP
service-object object LDAP-GC
service-object object LDAP-GC-SSL
service-object object LDAP-UDP
service-object object Microsoft-DS-SMB
service-object object RPC

```

```

service-object object RPC-HighPorts
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq netbios-dgm
service-object udp destination eq ntp
object-group service DM_INLINE_SERVICE_9
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq domain
object-group service DM_INLINE_TCP_1 tcp
port-object eq www
port-object eq https
object-group service DM_INLINE_TCP_2 tcp
port-object eq www
port-object eq https
port-object eq imap4
port-object eq pop3
port-object eq smtp
object-group service DM_INLINE_UDP_1 udp
port-object eq snmp
port-object eq snmptrap
port-object eq syslog
object-group service DM_INLINE_UDP_2 udp
port-object eq 1812
port-object eq 1813
access-list INSIDE extended permit ip any any
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_2 object-group
Admin-Systems object-group DM_INLINE_NETWORK_3
access-list INSIDE remark Allow Active Directory Domain
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_3 object
ActiveDirectory.cisco-irn.com object Stores-ALL
access-list INSIDE remark VMWare - ESX systems
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_4 object vSphere-1
object Stores-ALL
access-list INSIDE remark Wireless Management to Stores
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_5 object-group
DM_INLINE_NETWORK_2 object Stores-ALL
access-list INSIDE remark Physical security systems
access-list INSIDE extended permit tcp object-group DM_INLINE_NETWORK_4 object Stores-ALL
eq https
access-list INSIDE remark Allow Management of store systems
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_6 object DC-ALL object
Stores-ALL
access-list INSIDE remark WAAS systems
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_7 object-group DC-WAAS
object Stores-ALL
access-list INSIDE remark Voice calls
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_8 object DC-ALL object
Stores-ALL
access-list INSIDE remark Drop and Log all other traffic
access-list INSIDE extended deny ip any any log
access-list OUTSIDE extended permit ip any any
access-list OUTSIDE remark Connectivity validation
access-list OUTSIDE extended permit icmp object Stores-ALL any object-group
DM_INLINE_ICMP_1
access-list OUTSIDE remark Internet Browsing
access-list OUTSIDE extended permit tcp object Stores-ALL any object-group DM_INLINE_TCP_3
access-list OUTSIDE remark Config uploading
access-list OUTSIDE extended permit tcp object Stores-ALL object EMC-NCM eq ssh
access-list OUTSIDE remark Log reporting
access-list OUTSIDE extended permit udp object Stores-ALL object RSA-enVision object-group
DM_INLINE_UDP_1
access-list OUTSIDE remark Authentication and DNS lookup

```

```

access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_9 object Stores-ALL
object ActiveDirectory.cisco-irn.com
access-list OUTSIDE remark Authentication and authorization
access-list OUTSIDE extended permit tcp object Stores-ALL object TACACS eq tacacs
access-list OUTSIDE remark Time Sync
access-list OUTSIDE extended permit udp object Stores-ALL object-group NTP-Servers eq ntp
access-list OUTSIDE remark Authentication
access-list OUTSIDE extended permit udp object Stores-ALL object-group DM_INLINE_NETWORK_5
object-group DM_INLINE_UDP_2
access-list OUTSIDE remark Authentication web portal
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_10 object Stores-ALL
object-group DM_INLINE_NETWORK_6
access-list OUTSIDE remark VMWare ESX to Data Center
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_11 object Stores-ALL
object vSphere-1
access-list OUTSIDE remark Physical security systems
access-list OUTSIDE extended permit tcp object Stores-ALL object-group DM_INLINE_NETWORK_7
eq https
access-list OUTSIDE remark Wireless control systems
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_12 object Stores-ALL
object-group DM_INLINE_NETWORK_8
access-list OUTSIDE remark Voice calls
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_13 object Stores-ALL
object DC-ALL
access-list OUTSIDE remark WAAS systems
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_14 object Stores-ALL
object-group DC-WAAS
access-list OUTSIDE remark Allow Active Directory Domain
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_15 object Stores-ALL
object ActiveDirectory.cisco-irn.com
access-list OUTSIDE remark Allow Windows Updates
access-list OUTSIDE extended permit tcp object Stores-ALL object MS-Update object-group
DM_INLINE_TCP_1
access-list OUTSIDE remark Allow Mail
access-list OUTSIDE extended permit tcp object Stores-ALL object MExchange object-group
DM_INLINE_TCP_2
access-list OUTSIDE remark Allow Applications
access-list OUTSIDE extended permit tcp object Stores-ALL object-group DM_INLINE_NETWORK_9
eq https
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
pager lines 24
logging enable
logging host inside 192.168.42.124
logging host inside 192.168.42.139
mtu outside 1500
mtu inside 1500
failover
failover lan unit primary
failover lan interface folink GigabitEthernet0/3
failover link folink GigabitEthernet0/3
failover interface ip folink 192.168.12.20 255.255.255.0 standby 192.168.12.21
icmp unreachable rate-limit 1 burst-size 1
icmp permit any outside
icmp permit any inside
asdm image disk0:/asdm-711.bin
asdm history enable
arp timeout 14400
no arp permit-nonconnected
access-group OUTSIDE in interface outside
access-group INSIDE in interface inside
route inside 0.0.0.0 0.0.0.0 192.168.11.60 1
route outside 10.10.0.0 255.255.0.0 192.168.11.1 1
route inside 10.10.0.0 255.255.255.0 192.168.11.60 1

```



```

route outside 10.10.1.0 255.255.255.0 192.168.11.2 1
route outside 10.10.2.0 255.255.255.0 192.168.11.3 1
route inside 10.10.3.0 255.255.255.0 192.168.11.60 1
route inside 10.10.4.0 255.255.255.0 192.168.11.60 1
route outside 10.10.254.0 255.255.255.0 192.168.11.3 1
route outside 10.10.255.0 255.255.255.0 192.168.11.2 1
route inside 192.168.0.0 255.255.0.0 192.168.11.10 1
route outside 192.168.1.111 255.255.255.255 192.168.11.2 1
route outside 192.168.1.112 255.255.255.255 192.168.11.3 1
route inside 192.168.20.0 255.255.252.0 192.168.11.60 1
route inside 192.168.24.0 255.255.255.0 192.168.11.60 1
timeout xlate 3:00:00
timeout pat-xlate 0:00:30
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (inside) host 192.168.42.131
  key *****
user-identity default-domain LOCAL
aaa authentication ssh console RETAIL LOCAL
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 60
http 192.168.41.102 255.255.255.255 inside
http 192.168.41.101 255.255.255.255 inside
http 192.168.42.122 255.255.255.255 inside
http 192.168.42.124 255.255.255.255 inside
http 192.168.42.133 255.255.255.255 inside
http 192.168.42.138 255.255.255.255 inside
http 192.168.42.139 255.255.255.255 inside
http 192.168.42.134 255.255.255.255 inside
snmp-server group V3Group v3 priv
snmp-server user csmadmin V3Group v3 encrypted auth sha
9e:72:6a:fa:06:f5:29:f9:8a:87:ce:fa:46:19:a5:80:6c:2d:2e:b8 priv aes 256
9e:72:6a:fa:06:f5:29:f9:8a:87:ce:fa:46:19:a5:80:6c:2d:2e:b8:bb:47:d1:68:d7:39:58:f4:62:f7:
38:36
snmp-server user ciscolms V3Group v3 encrypted auth sha
9e:72:6a:fa:06:f5:29:f9:8a:87:ce:fa:46:19:a5:80:6c:2d:2e:b8 priv aes 256
9e:72:6a:fa:06:f5:29:f9:8a:87:ce:fa:46:19:a5:80:6c:2d:2e:b8:bb:47:d1:68:d7:39:58:f4:62:f7:
38:36
snmp-server host inside 192.168.42.134 version 3 ciscolms
snmp-server host inside 192.168.42.139 version 3 ciscolms
snmp-server host inside 192.168.42.133 version 3 csmadmin
snmp-server location Building SJC-17-1 Aisle 1 Rack 3
snmp-server contact EmployeeA
snmp-server enable traps snmp authentication linkup linkdown coldstart warmstart
snmp-server enable traps syslog
snmp-server enable traps ipsec start stop
snmp-server enable traps memory-threshold
snmp-server enable traps interface-threshold
snmp-server enable traps remote-access session-threshold-exceeded

```

```

snmp-server enable traps connection-limit-reached
snmp-server enable traps cpu threshold rising
snmp-server enable traps ikev2 start stop
snmp-server enable traps nat packet-discard
crypto ipsec security-association pmtu-aging infinite
crypto ca trustpool policy
telnet timeout 1
ssh scopy enable
ssh 192.168.41.101 255.255.255.255 inside
ssh 192.168.41.102 255.255.255.255 inside
ssh 192.168.42.122 255.255.255.255 inside
ssh 192.168.42.124 255.255.255.255 inside
ssh 192.168.42.133 255.255.255.255 inside
ssh 192.168.42.138 255.255.255.255 inside
ssh 192.168.42.139 255.255.255.255 inside
ssh 192.168.42.134 255.255.255.255 inside
ssh timeout 15
ssh version 2
console timeout 15
!
tls-proxy maximum-session 1000
!
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source inside
ntp server 192.168.62.161 source inside prefer
ssl encryption aes256-sha1 3des-sha1
username csmadmin password <removed> privilege 15
username retail password <removed> privilege 15
username ciscocols password <removed> privilege 15
username bmcgloth password <removed> privilege 15
!
class-map inspection_default
  match default-inspection-traffic
class-map global-class-PCI
  match any
!
!
policy-map type inspect dns preset_dns_map
  parameters
    message-length maximum client auto
    message-length maximum 512
policy-map global_policy
  description IPS inspection policy for Cisco PCI LAB
  class inspection_default
    inspect dns preset_dns_map
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect rsh
    inspect rtsp
    inspect esmtp
    inspect sqlnet
    inspect skinny
    inspect sunrpc
    inspect xdmcp
    inspect sip
    inspect netbios
    inspect tftp
    inspect ip-options
  class global-class-PCI
    ips promiscuous fail-open
!

```

```

service-policy global_policy global
prompt hostname context
no call-home reporting anonymous
call-home
  profile CiscoTAC-1
  no active
  destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
  destination address email callhome@cisco.com
  destination transport-method http
  subscribe-to-alert-group diagnostic
  subscribe-to-alert-group environment
  subscribe-to-alert-group inventory periodic monthly
  subscribe-to-alert-group configuration periodic monthly
  subscribe-to-alert-group telemetry periodic daily
password encryption aes
Cryptochecksum:74ca008c5477bc602c2080c680584775
: end

```

ASA-WAN-1_IDS

```

! -----
! Current configuration last modified Fri Dec 07 09:38:41 2012
! -----
! Version 7.1(6)
! Host:
!   Realm Keys          key1.0
! Signature Definition:
!   Signature Update    S648.0   2012-05-30
! -----
service interface
exit
! -----
service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
lowercase-min 1
other-min 1
number-old-passwords 4
exit
cli-inactivity-timeout 15
exit
! -----
service event-action-rules rules0
exit
! -----
service host
network-settings
host-ip 192.168.11.23/24,192.168.11.10
host-name IPS-WAN-1
telnet-option disabled
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.134/32
access-list 192.168.42.138/32
access-list 192.168.42.139/32
login-banner-text WARNING: THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

```

```

dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
exit
time-zone-settings
offset -480
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
start-summertime
month march
week-of-month second
day-of-week sunday
time-of-day 02:00:00
exit
end-summertime
month november
week-of-month first
day-of-week sunday
time-of-day 02:00:00
exit
exit
exit
! -----
service logger
exit
! -----
service network-access
exit
! -----
service notification
trap-destinations 192.168.42.124
trap-community-name RSAenvision
exit
enable-notifications true
trap-community-name RSAenvision
system-location Building SJC-17-1 Row 1 Rack 1
system-contact EmployeeA
exit
! -----
service signature-definition sig0
exit
! -----
service ssh-known-hosts
exit
! -----
service trusted-certificates
exit
! -----
service web-server
enable-tls true
port 443
server-id IPS-WAN-1
exit
! -----
service anomaly-detection ad0
exit
! -----

```

```

service external-product-interface
exit
! -----
service health-monitor
exit
! -----
service global-correlation
exit
! -----
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret retailpci
exit
nas-id IPS-WAN-1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
exit
! -----
service analysis-engine
exit
IPS-WAN-1#

```

RWAN-1

```

!
! Last configuration change at 01:17:13 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:17:14 PSTDST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RWAN-1
!
boot-start-marker
boot-end-marker
!
!
vrf definition Mgmt-intf
!
address-family ipv4
exit-address-family
!
address-family ipv6
exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit

```

```
enable secret 4 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
aaa session-id common
!
!
!
clock timezone PST -8 0
clock summer-time PSTDST recurring
ip source-route
!
!
!
no ip bootp server
no ip domain lookup
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip multicast-routing distributed
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
!
!
multilink bundle-name authenticated
!
password encryption aes
!
!
!
!
!
!
crypto pki trustpoint TP-self-signed-1264044905
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1264044905
  revocation-check none
  rsakeypair TP-self-signed-1264044905
!
!
crypto pki certificate chain TP-self-signed-1264044905
  certificate self-signed 01
  <removed> quit
archive
  log config
  logging enable
```

```
    notify syslog contenttype plaintext
    hidekeys
!
username retail privilege 15 secret 4 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 4 <removed>
username bmcgloth privilege 15 secret 4 <removed>
username csmadmin privilege 15 secret 4 <removed>
!
redundancy
  mode none
!
!
!
ip ssh version 2
ip scp server enable
!
class-map match-all BRANCH-BULK-DATA
  match access-group name BULK-DATA-APPS
class-map match-all BULK-DATA
  match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
  match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
  match protocol telnet
  match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
  match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
  match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
  match ip dscp 25
class-map match-any BRANCH-NET-MGMT
  match protocol dns
  match access-group name NET-MGMT-APPS
class-map match-all ROUTING
  match ip dscp cs6
class-map match-all SCAVENGER
  match ip dscp cs1
class-map match-all NET-MGMT
  match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
class-map match-any CALL-SIGNALING
  match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
  match ip dscp af21 af22
!
policy-map DataCenter-LAN-EDGE-OUT
  class class-default
policy-map DataCenter-LAN-EDGE-IN
  class BRANCH-MISSION-CRITICAL
    set ip dscp 25
  class BRANCH-TRANSACTIONAL-DATA
    set ip dscp af21
  class BRANCH-NET-MGMT
    set ip dscp cs2
  class BRANCH-BULK-DATA
    set ip dscp af11
  class BRANCH-SCAVENGER
    set ip dscp cs1
policy-map DataCenter-WAN-EDGE
  class VOICE
    priority percent 18
  class INTERACTIVE-VIDEO
```

```

    priority percent 15
  class CALL-SIGNALING
    bandwidth percent 5
  class ROUTING
    bandwidth percent 3
  class NET-MGMT
    bandwidth percent 2
  class MISSION-CRITICAL-DATA
    bandwidth percent 15
    random-detect
  class TRANSACTIONAL-DATA
    bandwidth percent 1
    random-detect dscp-based
  class class-default
    bandwidth percent 25
    random-detect
!
!
!
!
!
!
!
interface Loopback0
  ip address 192.168.1.111 255.255.255.255
!
interface GigabitEthernet0/0/0
  description SWAN-1
  ip address 192.168.11.2 255.255.255.0
  standby 1 ip 192.168.11.1
  standby 1 priority 105
  standby 1 preempt
  no negotiation auto
  service-policy input DataCenter-LAN-EDGE-IN
  service-policy output DataCenter-LAN-EDGE-OUT
!
interface GigabitEthernet0/0/1
  no ip address
  no negotiation auto
!
interface GigabitEthernet0/0/2
  description RSP-1 G0/1
  ip address 10.10.1.6 255.255.255.0
  no negotiation auto
  service-policy output DataCenter-WAN-EDGE
!
interface GigabitEthernet0/0/3
  no ip address
  shutdown
  no negotiation auto
!
interface GigabitEthernet0
  vrf forwarding Mgmt-intf
  no ip address
  shutdown
  negotiation auto
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server

```



```

ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip route 0.0.0.0 0.0.0.0 192.168.11.60
ip route 10.10.0.0 255.255.0.0 10.10.1.1
ip route 10.10.0.0 255.255.0.0 192.168.11.3 50
ip route 10.10.0.0 255.255.255.0 192.168.11.60
ip route 10.10.2.0 255.255.255.0 192.168.11.3
ip route 10.10.3.0 255.255.255.0 192.168.11.60
ip route 10.10.4.0 255.255.255.0 192.168.11.60
ip route 10.10.110.2 255.255.255.255 192.168.11.3
ip route 10.10.126.2 255.255.255.255 192.168.11.3
ip route 10.10.254.0 255.255.255.0 192.168.11.3
ip route 192.168.0.0 255.255.0.0 192.168.11.10
ip route 192.168.1.112 255.255.255.255 192.168.11.3
ip route 192.168.20.0 255.255.252.0 192.168.11.60
ip route 192.168.24.0 255.255.255.0 192.168.11.60
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
remark ---File Transfer---
permit tcp any any eq ftp
permit tcp any any eq ftp-data
remark ---E-mail traffic---
permit tcp any any eq smtp
permit tcp any any eq pop3
permit tcp any any eq 143
remark ---other EDM app protocols---
permit tcp any any range 3460 3466
permit tcp any range 3460 3466 any
remark ---messaging services---
permit tcp any any eq 2980
permit tcp any eq 2980 any
remark ---Microsoft file services---
permit tcp any any range 137 139
permit tcp any range 137 139 any
ip access-list extended MISSION-CRITICAL-SERVERS
remark ---POS Applications---
permit ip 192.168.52.0 0.0.0.255 any
ip access-list extended NET-MGMT-APPS
remark - Router user Authentication - Identifies TACACS Control traffic
permit tcp any any eq tacacs
permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
remark ---Workbrain Application---
remark --Large Store Clock Server to Central Clock Application
permit tcp host 192.168.46.72 eq 8444 host 10.10.49.94
remark --Large store Clock Server to CUAE
permit tcp host 192.168.45.185 eq 8000 host 10.10.49.94
remark ---LiteScape Application---
permit ip host 192.168.46.82 any
permit ip 239.192.0.0 0.0.0.255 any
permit ip host 239.255.255.250 any
remark ---Remote Desktop---
permit tcp any any eq 3389
permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124

```

```

access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
cdp run
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server enable traps flash insertion removal
snmp-server host 192.168.42.124 remoteuser
!
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:

```

**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
 **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.

banner login C

WARNING:

THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

```

!
line con 0
  session-timeout 15 output
  exec-timeout 15 0
  login authentication RETAIL
  stopbits 1
line aux 0
  session-timeout 1 output
  exec-timeout 0 1
  privilege level 0
  no exec
  transport preferred none
  transport output none
  stopbits 1
line vty 0 4
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
ntp clock-period 17186047
ntp source Loopback0
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

RWAN-2

!

```
! Last configuration change at 01:31:03 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:31:04 PST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RWAN-2
!
boot-start-marker
boot-end-marker
!
!
vrf definition Mgmt-intf
!
address-family ipv4
exit-address-family
!
address-family ipv6
exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
aaa session-id common
!
!
!
clock timezone PST -8 0
clock summer-time PST recurring
ip source-route
!
!
!
no ip bootp server
no ip domain lookup
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip multicast-routing distributed
!
```

```
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
!
!
multilink bundle-name authenticated
!
password encryption aes
!
!
!
!
!
!
!
crypto pki trustpoint TP-self-signed-1414178861
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1414178861
  revocation-check none
  rsakeypair TP-self-signed-1414178861
!
!
crypto pki certificate chain TP-self-signed-1414178861
  certificate self-signed 01
    <removed>
  quit
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
username retail privilege 15 secret 4 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 4 <removed>
username bmcgloth privilege 15 secret 4 <removed>
username csmadmin privilege 15 secret 4 <removed>
!
redundancy
  mode none
!
!
!
!
ip ssh version 2
ip scp server enable
!
!
!
!
!
!
!
interface Loopback0
  ip address 192.168.1.112 255.255.255.255
  ip pim sparse-dense-mode
!
interface GigabitEthernet0/0/0
  description SWAN-2
  ip address 192.168.11.3 255.255.255.0
  standby 1 ip 192.168.11.1
  standby 1 priority 95
```

```

no negotiation auto
!
interface GigabitEthernet0/0/1
no ip address
no negotiation auto
!
interface GigabitEthernet0/0/2
description RSP-2 G0/1
ip address 10.10.2.6 255.255.255.0
no negotiation auto
!
interface GigabitEthernet0/0/3
no ip address
no negotiation auto
!
interface GigabitEthernet0
vrf forwarding Mgmt-intf
no ip address
shutdown
negotiation auto
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip route 0.0.0.0 0.0.0.0 192.168.11.60
ip route 10.10.0.0 255.255.0.0 10.10.2.1
ip route 10.10.0.0 255.255.0.0 192.168.11.2 50
ip route 10.10.0.0 255.255.255.0 192.168.11.60
ip route 10.10.1.0 255.255.255.0 192.168.11.2
ip route 10.10.3.0 255.255.255.0 192.168.11.60
ip route 10.10.4.0 255.255.255.0 192.168.11.60
ip route 10.10.110.1 255.255.255.255 192.168.11.2
ip route 10.10.126.1 255.255.255.255 192.168.11.2
ip route 10.10.255.0 255.255.255.0 192.168.11.2
ip route 192.168.0.0 255.255.0.0 192.168.11.10
ip route 192.168.1.111 255.255.255.255 192.168.11.2
ip route 192.168.20.0 255.255.252.0 192.168.11.60
ip route 192.168.24.0 255.255.255.0 192.168.11.60
ip tacacs source-interface Loopback0
!
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!

```

```

snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server enable traps flash insertion removal
snmp-server host 192.168.42.124 remoteuser
!
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C

```

```
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
```

```
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line aux 0
 session-timeout 1 output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17219603
ntp source Loopback0
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

SWAN-1

```
Current configuration : 12174 bytes
!
! Last configuration change at 14:08:38 PST Fri Dec 21 2012 by bmcgloth
! NVRAM config last updated at 13:54:15 PST Fri Dec 21 2012 by bmcgloth
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname SWAN-1
```



```

!
boot-start-marker
boot-end-marker
!
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
username ciscocols privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication login COMPLIANCE group PRIMARY1 local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
switch 1 provision ws-c3750x-48p
switch 2 provision ws-c3750x-48p
system mtu routing 1500
authentication mac-move permit
ip subnet-zero
no ip source-route
no ip gratuitous-arps
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-722491520
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-722491520
  revocation-check none
  rsa-keypair TP-self-signed-722491520
!
!
crypto pki certificate chain TP-self-signed-722491520
  certificate self-signed 01
<removed>
  quit
!

```

```

!
!
archive
  log config
    logging enable
    notify syslog contenttype plaintext
    hidekeys
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip tcp synwait-time 10
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface GigabitEthernet1/0/1
  description Link to RWAN-1 G0-0-0
!
interface GigabitEthernet1/0/2
  description Link to ASA-WAN-1 G0-0
!
!<removed for brevity>
!
interface GigabitEthernet1/0/48
  shutdown
!
interface GigabitEthernet1/1/1
  shutdown
!
interface GigabitEthernet1/1/2
  shutdown
!
interface GigabitEthernet1/1/3
  shutdown
!
interface GigabitEthernet1/1/4
  shutdown
!
interface TenGigabitEthernet1/1/1
  shutdown
!
interface TenGigabitEthernet1/1/2
  shutdown
!
!
interface GigabitEthernet2/0/1
  description Link to RWAN-2 G0-0-0
!
interface GigabitEthernet2/0/2
  description Link to ASA-WAN-2 G0-0
!
! <removed for brevity>
!
interface GigabitEthernet2/0/48
  shutdown
!
interface GigabitEthernet2/1/1
  shutdown
!

```

```
interface GigabitEthernet2/1/2
shutdown
!
interface GigabitEthernet2/1/3
shutdown
!
interface GigabitEthernet2/1/4
shutdown
!
interface TenGigabitEthernet2/1/1
shutdown
!
interface TenGigabitEthernet2/1/2
shutdown
!
!
interface Vlan1
 ip address 192.168.11.14 255.255.255.0
!
ip default-gateway 192.168.11.10
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging 192.168.42.124
logging 192.168.42.139
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 192.168.42.139 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 permit 192.168.42.139 log
access-list 88 deny any log
snmp-server group V3Group v3 priv read V3Read write V3Write notify
*tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server view V3Read iso included
snmp-server view V3Write iso included
snmp-server packet-size 8192
snmp-server location Building SJC-17-1 Aisle 2 Rack 3
snmp-server contact Bart McGlothin
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
```

```

snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps energywise
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps rtr
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.134 version 3 priv ciscolms
snmp-server host 192.168.42.139 version 3 priv ciscolms
snmp-server host 192.168.42.133 version 3 priv csmadmin
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh

```

```

transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
!
monitor session 1 source interface Fa1/0/1
monitor session 1 destination interface Fa1/0/48
ntp clock-period 36029318
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

SWAN-3

```

Current configuration : 12174 bytes
!
! Last configuration change at 14:08:38 PST Fri Dec 21 2012 by bmcgloth
! NVRAM config last updated at 13:54:15 PST Fri Dec 21 2012 by bmcgloth
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname SWAN-3
!
boot-start-marker
boot-end-marker
!
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
username ciscocols privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication login COMPLIANCE group PRIMARY1 local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo

```

```
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
switch 1 provision ws-c3750x-48p
switch 2 provision ws-c3750x-48p
system mtu routing 1500
authentication mac-move permit
ip subnet-zero
no ip source-route
no ip gratuitous-arps
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-722491520
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-722491520
  revocation-check none
  rsakeypair TP-self-signed-722491520
!
!
crypto pki certificate chain TP-self-signed-722491520
  certificate self-signed 01
<removed>
  quit
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip tcp synwait-time 10
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface GigabitEthernet1/0/1
  description Link to RCORE-2 G1-1
!
interface GigabitEthernet1/0/2
  description Link to ASA-WAN-1 G0-1
```

```
!
|
!<removed for brevity>
!
|
interface GigabitEthernet1/0/48
shutdown
!
interface GigabitEthernet1/1/1
shutdown
!
interface GigabitEthernet1/1/2
shutdown
!
interface GigabitEthernet1/1/3
shutdown
!
interface GigabitEthernet1/1/4
shutdown
!
interface TenGigabitEthernet1/1/1
shutdown
!
interface TenGigabitEthernet1/1/2
shutdown
!
!
interface GigabitEthernet2/0/1
description Link to RCore-1 G1-1
!
interface GigabitEthernet2/0/2
description Link to ASA-WAN-2 G0-1
!
! <removed for brevity>
!
interface GigabitEthernet2/0/48
shutdown
!
interface GigabitEthernet2/1/1
shutdown
!
interface GigabitEthernet2/1/2
shutdown
!
interface GigabitEthernet2/1/3
shutdown
!
interface GigabitEthernet2/1/4
shutdown
!
interface TenGigabitEthernet2/1/1
shutdown
!
interface TenGigabitEthernet2/1/2
shutdown
!
!
interface Vlan1
ip address 192.168.11.14 255.255.255.0
!
ip default-gateway 192.168.11.10
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
```

```

ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging 192.168.42.124
logging 192.168.42.139
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 192.168.42.139 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 permit 192.168.42.139 log
access-list 88 deny any log
snmp-server group V3Group v3 priv read V3Read write V3Write notify
*tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server view V3Read iso included
snmp-server view V3Write iso included
snmp-server packet-size 8192
snmp-server location Building SJC-17-1 Aisle 2 Rack 3
snmp-server contact Bart McGlothin
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps energywise
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps rtr
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.134 version 3 priv ciscocols
snmp-server host 192.168.42.139 version 3 priv ciscocols
snmp-server host 192.168.42.133 version 3 priv csmadmin
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

```



```

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REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
    session-timeout 15  output
    exec-timeout 15 0
    login authentication RETAIL
line vty 0 4
    session-timeout 15  output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
line vty 5 15
    session-timeout 15  output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
!
!
monitor session 1 source interface Fa1/0/1
monitor session 1 destination interface Fa1/0/48
ntp clock-period 36029318
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

Core

RCORE-1

```

!
! Last configuration change at 01:37:46 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:37:47 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RCORE-1
!
boot-start-marker
boot system flash disk0:s72033-adventerprisek9_wan-mz.122-33.SXJ.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST DST recurring
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable

```

```
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain CiscoRetail
vtp mode transparent
mls ip cef load-sharing full simple
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1104
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1104
  revocation-check none
  rsakeypair TP-self-signed-1104
!
!
crypto pki certificate chain TP-self-signed-1104
  certificate self-signed 01
  <removed>
  quit
!
!
!
!
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode rapid-pvst
spanning-tree loopguard default
no spanning-tree optimize bpdu transmission
spanning-tree extend system-id
spanning-tree pathcost method long
environment temperature-controlled
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
redundancy
  main-cpu
  auto-sync running-config
mode sso
```

```
!  
!  
vlan internal allocation policy descending  
vlan dot1q tag native  
vlan access-log ratelimit 2000  
!  
!  
!  
!  
!  
interface Loopback0  
 ip address 192.168.1.1 255.255.255.255  
!  
interface Port-channel99  
 ip address 192.168.10.29 255.255.255.252  
 no ip redirects  
 no ip proxy-arp  
 ip pim sparse-dense-mode  
 ip ospf authentication message-digest  
 ip ospf message-digest-key 1 md5 7 <removed>  
 ip ospf network point-to-point  
 ip ospf hello-interval 2  
 ip ospf dead-interval 6  
 logging event link-status  
!  
interface GigabitEthernet1/1  
 description to DC WAN_SWAN-3  
 ip address 192.168.11.11 255.255.255.0  
 standby 0 ip 192.168.11.10  
 standby 0 priority 101  
 standby 0 preempt  
!  
interface GigabitEthernet1/2  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/3  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/4  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/5  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/6  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/7  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/8  
 no ip address  
 shutdown  
!  
interface GigabitEthernet1/9  
 no ip address  
 shutdown  
!
```

```
interface GigabitEthernet1/10
  no ip address
  shutdown
!
interface GigabitEthernet1/11
  no ip address
  shutdown
!
interface GigabitEthernet1/12
  no ip address
  shutdown
!
interface GigabitEthernet1/13
  no ip address
  shutdown
!
interface GigabitEthernet1/14
  no ip address
  shutdown
!
interface GigabitEthernet1/15
  no ip address
  shutdown
!
interface GigabitEthernet1/16
  no ip address
  shutdown
!
interface GigabitEthernet1/17
  no ip address
  shutdown
!
interface GigabitEthernet1/18
  no ip address
  shutdown
!
interface GigabitEthernet1/19
  no ip address
  shutdown
!
interface GigabitEthernet1/20
  no ip address
  shutdown
!
interface GigabitEthernet1/21
  no ip address
  shutdown
!
interface GigabitEthernet1/22
  no ip address
  shutdown
!
interface GigabitEthernet1/23
  no ip address
  shutdown
!
interface GigabitEthernet1/24
  no ip address
  shutdown
!
interface GigabitEthernet1/25
  no ip address
  shutdown
!
```

```
interface GigabitEthernet1/26
  no ip address
  shutdown
!
interface GigabitEthernet1/27
  no ip address
  shutdown
!
interface GigabitEthernet1/28
  no ip address
  shutdown
!
interface GigabitEthernet1/29
  no ip address
  shutdown
!
interface GigabitEthernet1/30
  no ip address
  shutdown
!
interface GigabitEthernet1/31
  no ip address
  shutdown
!
interface GigabitEthernet1/32
  no ip address
  shutdown
!
interface GigabitEthernet1/33
  no ip address
  shutdown
!
interface GigabitEthernet1/34
  no ip address
  shutdown
!
interface GigabitEthernet1/35
  no ip address
  shutdown
!
interface GigabitEthernet1/36
  no ip address
  shutdown
!
interface GigabitEthernet1/37
  no ip address
  shutdown
!
interface GigabitEthernet1/38
  no ip address
  shutdown
!
interface GigabitEthernet1/39
  no ip address
  shutdown
!
interface GigabitEthernet1/40
  no ip address
  shutdown
!
interface GigabitEthernet1/41
  no ip address
  shutdown
!
```

```
interface GigabitEthernet1/42
  no ip address
  shutdown
!
interface GigabitEthernet1/43
  no ip address
  shutdown
!
interface GigabitEthernet1/44
  no ip address
  shutdown
!
interface GigabitEthernet1/45
  no ip address
  shutdown
!
interface GigabitEthernet1/46
  no ip address
  shutdown
!
interface GigabitEthernet1/47
  no ip address
  shutdown
!
interface GigabitEthernet1/48
  no ip address
  shutdown
!
interface TenGigabitEthernet2/1
  description 10Gig LINK to RAGG-1 T1/3
  ip address 192.168.10.13 255.255.255.252
  no ip redirects
  no ip proxy-arp
  ip pim sparse-dense-mode
  ip igmp query-interval 125
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 7 <removed>
  ip ospf network point-to-point
  ip ospf hello-interval 2
  ip ospf dead-interval 6
  logging event link-status
!
interface TenGigabitEthernet2/2
  description 10Gig LINK to RAGG-2 T1/3
  ip address 192.168.10.17 255.255.255.252
  no ip redirects
  no ip proxy-arp
  ip pim sparse-dense-mode
  ip igmp query-interval 125
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 7 <removed>
  ip ospf network point-to-point
  ip ospf hello-interval 2
  ip ospf dead-interval 6
  logging event link-status
!
interface TenGigabitEthernet2/3
  description 10Gig LINK to RCORE-2
  no ip address
  channel-group 99 mode active
!
interface TenGigabitEthernet2/4
  description 10Gig LINK to RCORE-2
  no ip address
```

```

channel-group 99 mode active
!
interface TenGigabitEthernet2/5
no ip address
shutdown
!
interface TenGigabitEthernet2/6
no ip address
shutdown
!
interface TenGigabitEthernet2/7
no ip address
shutdown
!
interface TenGigabitEthernet2/8
no ip address
shutdown
!
interface GigabitEthernet5/1
no ip address
shutdown
!
interface GigabitEthernet5/2
no ip address
shutdown
!
interface GigabitEthernet6/1
no ip address
shutdown
!
interface GigabitEthernet6/2
no ip address
shutdown
!
interface Vlan1
no ip address
shutdown
!
router ospf 5
router-id 192.168.1.1
log-adjacency-changes
auto-cost reference-bandwidth 10000
nsf
redistribute static subnets
passive-interface default
no passive-interface TenGigabitEthernet2/1
no passive-interface TenGigabitEthernet2/2
no passive-interface Port-channel99
network 192.168.0.0 0.0.255.255 area 0
default-information originate metric 20 metric-type 1
!
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.11.60 name default-to-internet
ip route 10.10.0.0 255.255.0.0 192.168.11.1 name route-to-stores
ip route 10.10.0.0 255.255.255.0 192.168.11.60 name route-to-SP
ip route 10.10.1.0 255.255.255.0 192.168.11.2
ip route 10.10.2.0 255.255.255.0 192.168.11.3
ip route 10.10.110.1 255.255.255.255 192.168.11.2
ip route 10.10.110.2 255.255.255.255 192.168.11.3
ip route 10.10.126.1 255.255.255.255 192.168.11.2
ip route 10.10.126.2 255.255.255.255 192.168.11.3
ip route 10.10.254.0 255.255.255.0 192.168.11.3
ip route 10.10.255.0 255.255.255.0 192.168.11.2

```



```

ip route 192.168.1.111 255.255.255.255 192.168.11.2
ip route 192.168.1.112 255.255.255.255 192.168.11.3
ip route 192.168.20.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.21.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.22.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.23.0 255.255.255.0 192.168.11.60 name route-to-DMZ
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip pim send-rp-discovery scope 2
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec C

```

WARNING:

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 **** AUTHORIZED USERS ONLY! ****

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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C

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banner login C

WARNING:

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```
!
line con 0
  session-timeout 15 output
  exec-timeout 15 0
  login authentication RETAIL
line vty 0 4
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
!
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
```

```
mac-address-table aging-time 480
!
end
```

RCORE-2

```
!
! Last configuration change at 01:42:02 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:42:02 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RCORE-2
!
boot-start-marker
boot system flash disk1:s72033-adventerprisek9_wan-mz.122-33.SXJ.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed> username bart privilege 15 secret 5
<removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
call-home
  no alert-group configuration
  no alert-group diagnostic
  no alert-group environment
  no alert-group inventory
  no alert-group syslog
ip wccp 61
```

```
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain CiscoRetail
vtp mode transparent
mls ip cef load-sharing full simple
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1051
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1051
  revocation-check none
  rsakeypair TP-self-signed-1051
!
!
crypto pki certificate chain TP-self-signed-1051
  certificate self-signed 01
    <removed>
  quit
!
!
!
!
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
spanning-tree mode rapid-pvst
spanning-tree loopguard default
no spanning-tree optimize bpdu transmission
spanning-tree extend system-id
spanning-tree pathcost method long
environment temperature-controlled
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
```

```
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
redundancy
main-cpu
auto-sync running-config
mode sso
!
!
vlan internal allocation policy descending
vlan dot1q tag native
vlan access-log ratelimit 2000
!
!
!
!
interface Loopback0
ip address 192.168.1.2 255.255.255.255
!
interface Port-channel99
description link between CORE's
ip address 192.168.10.30 255.255.255.252
no ip redirects
no ip proxy-arp
ip pim sparse-dense-mode
ip ospf authentication message-digest
ip ospf message-digest-key 1 md5 7 <removed>
ip ospf network point-to-point
ip ospf hello-interval 2
ip ospf dead-interval 6
logging event link-status
!
interface GigabitEthernet1/1
description to DC WAN_SWAN-3/4
ip address 192.168.11.12 255.255.255.0
standby 0 ip 192.168.11.10
standby 0 priority 99
standby 0 preempt
!
interface GigabitEthernet1/2
no ip address
shutdown
!
interface GigabitEthernet1/3
no ip address
shutdown
!
interface GigabitEthernet1/4
no ip address
shutdown
!
interface GigabitEthernet1/5
no ip address
shutdown
!
interface GigabitEthernet1/6
no ip address
shutdown
!
interface GigabitEthernet1/7
no ip address
shutdown
```

```
!  
interface GigabitEthernet1/8  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/9  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/10  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/11  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/12  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/13  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/14  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/15  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/16  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/17  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/18  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/19  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/20  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/21  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/22  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/23  
  no ip address  
  shutdown
```

```
!  
interface GigabitEthernet1/24  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/25  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/26  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/27  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/28  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/29  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/30  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/31  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/32  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/33  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/34  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/35  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/36  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/37  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/38  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/39  
  no ip address  
  shutdown
```

```
!  
interface GigabitEthernet1/40  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/41  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/42  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/43  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/44  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/45  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/46  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/47  
  no ip address  
  shutdown  
!  
interface GigabitEthernet1/48  
  no ip address  
  shutdown  
!  
interface TenGigabitEthernet2/1  
  description 10Gig LINK to RAGG-1 T1/4  
  ip address 192.168.10.21 255.255.255.252  
  no ip redirects  
  no ip proxy-arp  
  ip pim sparse-dense-mode  
  ip igmp query-interval 125  
  ip ospf authentication message-digest  
  ip ospf message-digest-key 1 md5 7 <removed>  
  ip ospf network point-to-point  
  ip ospf hello-interval 2  
  ip ospf dead-interval 6  
  logging event link-status  
!  
interface TenGigabitEthernet2/2  
  description 10Gig LINK to RAGG-2 T1/4  
  ip address 192.168.10.25 255.255.255.252  
  no ip redirects  
  no ip proxy-arp  
  ip pim sparse-dense-mode  
  ip igmp query-interval 125  
  ip ospf authentication message-digest  
  ip ospf message-digest-key 1 md5 7 <removed>  
  ip ospf network point-to-point  
  ip ospf hello-interval 2  
  ip ospf dead-interval 6  
  logging event link-status
```



```
!  
interface TenGigabitEthernet2/3  
  description 10Gig LINK to RCORE-1  
  no ip address  
  channel-group 99 mode active  
!  
interface TenGigabitEthernet2/4  
  description 10Gig LINK to RCORE-1  
  no ip address  
  channel-group 99 mode active  
!  
interface TenGigabitEthernet2/5  
  no ip address  
  shutdown  
!  
interface TenGigabitEthernet2/6  
  no ip address  
  shutdown  
!  
interface TenGigabitEthernet2/7  
  no ip address  
  shutdown  
!  
interface TenGigabitEthernet2/8  
  no ip address  
  shutdown  
!  
interface GigabitEthernet5/1  
  no ip address  
  shutdown  
!  
interface GigabitEthernet5/2  
  no ip address  
  shutdown  
!  
interface GigabitEthernet6/1  
  no ip address  
  shutdown  
!  
interface GigabitEthernet6/2  
  no ip address  
  shutdown  
!  
interface Vlan1  
  no ip address  
  shutdown  
!  
router ospf 5  
  router-id 192.168.1.2  
  log-adjacency-changes  
  auto-cost reference-bandwidth 10000  
  nsf  
  redistribute static subnets  
  passive-interface default  
  no passive-interface TenGigabitEthernet2/1  
  no passive-interface TenGigabitEthernet2/2  
  no passive-interface Port-channel99  
  network 192.168.0.0 0.0.255.255 area 0  
  default-information originate metric 22 metric-type 1  
!  
ip classless  
no ip forward-protocol nd  
ip route 0.0.0.0 0.0.0.0 192.168.11.60 name default-to-internet  
ip route 10.10.0.0 255.255.0.0 192.168.11.1 name route-to-stores
```

```

ip route 10.10.0.0 255.255.255.0 192.168.11.60 name route-to-SP
ip route 10.10.1.0 255.255.255.0 192.168.11.2
ip route 10.10.2.0 255.255.255.0 192.168.11.3
ip route 10.10.110.1 255.255.255.255 192.168.11.2
ip route 10.10.110.2 255.255.255.255 192.168.11.3
ip route 10.10.126.1 255.255.255.255 192.168.11.2
ip route 10.10.126.2 255.255.255.255 192.168.11.3
ip route 10.10.254.0 255.255.255.0 192.168.11.3
ip route 10.10.255.0 255.255.255.0 192.168.11.2
ip route 192.168.20.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.21.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.22.0 255.255.255.0 192.168.11.60 name route-to-DMZ
ip route 192.168.23.0 255.255.255.0 192.168.11.60 name route-to-DMZ
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip pim send-rp-discovery scope 2
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane

```

```
!
!
dial-peer cor custom
!
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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banner incoming C
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banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
```

```

transport input ssh
transport output none
!
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
mac-address-table aging-time 480
!
end

```

Aggregation

ASA-DC-1

```

: Saved
:
ASA Version 8.4(1) <context>
!
firewall transparent
hostname dca-vcl
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> encrypted
names
!
interface outside
 nameif north
 bridge-group 1
 security-level 0
!
interface inside
 nameif south
 bridge-group 1
 security-level 100
!
interface BVI1
 ip address 192.168.162.21 255.255.255.0 standby 192.168.162.22
!
dns domain-lookup south
dns server-group DefaultDNS
 name-server 192.168.42.130
 domain-name cisco-irn.com
object-group network AdminStation
 network-object 192.168.41.101 255.255.255.255
object-group network AdminStation2
 network-object 192.168.41.102 255.255.255.255
object-group network AdminStation4-bart
 network-object 10.19.151.99 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411633
 description Generated by CS-Manager from src of FirewallRule# 2
(ASA-DC-1-vdcl_v1/mandatory)
 group-object AdminStation
 group-object AdminStation2
 group-object AdminStation4-bart
object-group network DC-ALL
 description All of the Data Center
 network-object 192.168.0.0 255.255.0.0
object-group network Stores-ALL
 description all store networks

```

```

network-object 10.10.0.0 255.255.0.0
object-group network CSM_INLINE_dst_rule_77309411633
description Generated by CS-Manager from dst of FirewallRule# 2
(ASA-DC-1-vdc1_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
object-group network EMC-NCM
description EMC Network Configuration Manager
network-object 192.168.42.122 255.255.255.255
object-group network CSManager
description Cisco Security Manager
network-object 192.168.42.133 255.255.255.255
object-group network RSA-enVision
description RSA EnVision Syslog collector and SIM
network-object 192.168.42.124 255.255.255.255
object-group network AdminStation3
network-object 192.168.42.138 255.255.255.255
object-group network Admin-Systems
group-object EMC-NCM
group-object AdminStation
group-object AdminStation2
group-object CSManager
group-object RSA-enVision
group-object AdminStation3
group-object AdminStation4-bart
object-group network DC-DMZ
description (Optimized by CS-Manager)
network-object 192.168.20.0 255.255.252.0
network-object 192.168.24.0 255.255.255.0
object-group network CSM_INLINE_dst_rule_77309411635
description Generated by CS-Manager from dst of FirewallRule# 3
(ASA-DC-1-vdc1_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
group-object DC-DMZ
object-group network CSM_INLINE_src_rule_77309414079
description Generated by CS-Manager from src of FirewallRule# 4
(ASA-DC-1-vdc1_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
object-group network CSM_INLINE_src_rule_77309414081
description Generated by CS-Manager from src of FirewallRule# 5
(ASA-DC-1-vdc1_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
object-group network ActiveDirectory.cisco-irn.com
network-object 192.168.42.130 255.255.255.255
object-group network vSphere-1
description vSphere server for Lab
network-object 192.168.41.102 255.255.255.255
object-group network WCSManager
description Wireless Manager
network-object 192.168.43.135 255.255.255.255
object-group network DC-Wifi-Controllers
description Central Wireless Controllers for stores
network-object 192.168.43.21 255.255.255.255
network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
description Mobility Service Engines
network-object 192.168.43.31 255.255.255.255
network-object 192.168.43.32 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411641
description Generated by CS-Manager from src of FirewallRule# 9
(ASA-DC-1-vdc1_v1/mandatory)

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```

group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
object-group network PAME-DC-1
network-object 192.168.44.111 255.255.255.255
object-group network MSP-DC-1
description Data Center VSOM
network-object 192.168.44.121 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411643
description Generated by CS-Manager from src of FirewallRule# 10
(ASA-DC-1-vdcl_v1/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
object-group network DC-WAAS
description WAE Appliances in Data Center
network-object 192.168.48.10 255.255.255.255
network-object 192.168.49.10 255.255.255.255
network-object 192.168.47.11 255.255.255.255
network-object 192.168.47.12 255.255.255.255
object-group network CSM_INLINE_src_rule_77309414071
description Generated by CS-Manager from src of FirewallRule# 15
(ASA-DC-1-vdcl_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
object-group network NTP-Servers
description NTP Servers
network-object 192.168.62.161 255.255.255.255
network-object 162.168.62.162 255.255.255.255
object-group network TACACS
description Cisco Secure ACS server for TACACS and Radius
network-object 192.168.42.131 255.255.255.255
object-group network RSA-AM
description RSA Authentication Manager for SecureID
network-object 192.168.42.137 255.255.255.255
object-group network NAC-2
network-object 192.168.42.112 255.255.255.255
object-group network NAC-1
description ISE server for NAC
network-object 192.168.42.111 255.255.255.255
object-group network CSM_INLINE_dst_rule_77309411663
description Generated by CS-Manager from dst of FirewallRule# 25
(ASA-DC-1-vdcl_v1/mandatory)
group-object TACACS
group-object RSA-AM
group-object NAC-2
group-object NAC-1
object-group network CSM_INLINE_dst_rule_77309411665
description Generated by CS-Manager from dst of FirewallRule# 26
(ASA-DC-1-vdcl_v1/mandatory)
group-object NAC-2
group-object NAC-1
object-group network CSM_INLINE_dst_rule_77309411669
description Generated by CS-Manager from dst of FirewallRule# 28
(ASA-DC-1-vdcl_v1/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
object-group network CSM_INLINE_dst_rule_77309411671
description Generated by CS-Manager from dst of FirewallRule# 29
(ASA-DC-1-vdcl_v1/mandatory)
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
object-group network MS-Update
description Windows Update Server
network-object 192.168.42.150 255.255.255.255

```

```

object-group network MExchange
  description Mail Server
  network-object 192.168.42.140 255.255.255.255
object-group network POS-Store-Conv
  network-object 10.10.160.81 255.255.255.255
object-group network POS-Store-MSP
  network-object 10.10.176.81 255.255.255.255
object-group network POS-Store-SMALL-1
  description Small Store POS devices
  network-object 10.10.128.81 255.255.255.255
  network-object 10.10.128.82 255.255.255.255
object-group network POS-Store-Medium
  network-object 10.10.112.81 255.255.255.255
  network-object 10.10.125.40 255.255.255.255
object-group network POS-Store-Mini
  network-object 10.10.144.81 255.255.255.255
object-group network POS-Store-3g
  network-object 10.10.192.82 255.255.255.255
object-group network POS-Store-Large
  network-object 10.10.96.81 255.255.255.255
  network-object 10.10.96.82 255.255.255.255
object-group network CSM_INLINE_src_rule_77309411683
  description Generated by CS-Manager from src of FirewallRule# 35
  (ASA-DC-1-vdc1_v1/mandatory)
  group-object POS-Store-Conv
  group-object POS-Store-MSP
  group-object POS-Store-SMALL-1
  group-object POS-Store-Medium
  group-object POS-Store-Mini
  group-object POS-Store-3g
  group-object POS-Store-Large
object-group network DC-POS-Tomax
  description Tomax POS Communication from Store to Data Center
  network-object 192.168.52.96 255.255.255.224
object-group network DC-POS
  description POS in the Data Center
  network-object 192.168.52.0 255.255.255.0
object-group network DC-POS-SAP
  description SAP POS Communication from Store to Data Center
  network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
  description Oracle POS Communication from Store to Data Center
  network-object 192.168.52.128 255.255.255.240
object-group network CSM_INLINE_dst_rule_77309411683
  description Generated by CS-Manager from dst of FirewallRule# 35
  (ASA-DC-1-vdc1_v1/mandatory)
  group-object DC-POS-Tomax
  group-object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network CSM_INLINE_src_rule_77309414158
  description Generated by CS-Manager from src of FirewallRule# 36
  (ASA-DC-1-vdc1_v1/mandatory)
  network-object 192.168.22.11 255.255.255.255
  network-object 192.168.22.12 255.255.255.255
  network-object 192.168.21.0 255.255.255.0
object-group network CSM_INLINE_src_rule_77309414160
  description Generated by CS-Manager from src of FirewallRule# 37
  (ASA-DC-1-vdc1_v1/mandatory)
  network-object 192.168.22.11 255.255.255.255
  network-object 192.168.22.12 255.255.255.255
  network-object 192.168.21.0 255.255.255.0
object-group network CSM_INLINE_src_rule_77309414162

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```

description Generated by CS-Manager from src of FirewallRule# 38
(ASA-DC-1-vdc1_v1/mandatory)
network-object 192.168.22.11 255.255.255.255
network-object 192.168.22.12 255.255.255.255
network-object 192.168.21.0 255.255.255.0
object-group service HTTPS-8443
service-object tcp destination eq 8443
object-group service CSM_INLINE_svc_rule_77309411635
description Generated by CS-Manager from service of FirewallRule# 3
(ASA-DC-1-vdc1_v1/mandatory)
service-object tcp destination eq ssh
service-object tcp destination eq https
group-object HTTPS-8443
object-group service CSM_INLINE_svc_rule_77309414079
description Generated by CS-Manager from service of FirewallRule# 4
(ASA-DC-1-vdc1_v1/mandatory)
service-object tcp destination eq smtp
service-object tcp destination eq https
service-object tcp destination eq ssh
object-group service CSM_INLINE_svc_rule_77309414081
description Generated by CS-Manager from service of FirewallRule# 5
(ASA-DC-1-vdc1_v1/mandatory)
service-object tcp destination eq https
service-object tcp destination eq ssh
object-group service RPC
service-object tcp destination eq 135
object-group service LDAP-GC
service-object tcp destination eq 3268
object-group service LDAP-GC-SSL
service-object tcp destination eq 3269
object-group service DNS-Resolving
description Domain Name Server
service-object tcp destination eq domain
service-object udp destination eq domain
object-group service Kerberos-TCP
service-object tcp destination eq 88
object-group service Microsoft-DS-SMB
description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
service-object tcp destination eq 445
object-group service LDAP-UDP
service-object udp destination eq 389
object-group service RPC-HighPorts
service-object tcp destination range 1024 65535
object-group service CSM_INLINE_svc_rule_77309411637
description Generated by CS-Manager from service of FirewallRule# 7
(ASA-DC-1-vdc1_v1/mandatory)
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq ntp
service-object udp destination eq netbios-dgm
group-object RPC
group-object LDAP-GC
group-object LDAP-GC-SSL
group-object DNS-Resolving
group-object Kerberos-TCP
group-object Microsoft-DS-SMB
group-object LDAP-UDP
group-object RPC-HighPorts
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts
service-object tcp destination eq 5989
service-object tcp destination eq 8000
service-object tcp destination eq 902

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service-object tcp destination eq 903
object-group service CSM_INLINE_svc_rule_77309411639
description Generated by CS-Manager from service of FirewallRule# 8
(ASA-DC-1-vdc1_v1/mandatory)
service-object tcp destination eq https
service-object tcp destination eq ssh
group-object vCenter-to-ESX4
object-group service IP-Protocol-97
description IP protocol 97
service-object 97
object-group service TFTP
description Trivial File Transfer
service-object tcp destination eq 69
service-object udp destination eq tftp
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
service-object udp destination eq 12222
service-object udp destination eq 12223
object-group service CAPWAP
description CAPWAP UDP ports 5246 and 5247
service-object udp destination eq 5246
service-object udp destination eq 5247
object-group service CSM_INLINE_svc_rule_77309411641
description Generated by CS-Manager from service of FirewallRule# 9
(ASA-DC-1-vdc1_v1/mandatory)
service-object tcp destination eq https
service-object tcp destination eq www
service-object udp destination eq isakmp
service-object tcp destination eq telnet
service-object tcp destination eq ssh
group-object IP-Protocol-97
group-object TFTP
group-object LWAPP
group-object CAPWAP
object-group service TCP1080
service-object tcp destination eq 1080
object-group service TCP8080
service-object tcp destination eq 8080
object-group service RDP
description Windows Remote Desktop
service-object tcp destination eq 3389
object-group service CSM_INLINE_svc_rule_77309411645
description Generated by CS-Manager from service of FirewallRule# 11
(ASA-DC-1-vdc1_v1/mandatory)
service-object icmp echo
service-object icmp echo-reply
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq ssh
service-object tcp destination eq ftp
group-object HTTPS-8443
group-object TCP1080
group-object TCP8080
group-object RDP
object-group service CISCO-WAAS
description Ports for Cisco WAAS
service-object tcp destination eq 4050
object-group service Netbios
description Netbios Servers
service-object udp destination eq netbios-dgm
service-object udp destination eq netbios-ns
service-object tcp destination eq netbios-ssn
object-group service CSM_INLINE_svc_rule_77309411647
```

```

description Generated by CS-Manager from service of FirewallRule# 12
(ASA-DC-1-vdcl_v1/mandatory)
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
group-object Netbios
object-group service CSM_INLINE_svc_rule_77309411649
description Generated by CS-Manager from service of FirewallRule# 13
(ASA-DC-1-vdcl_v1/mandatory)
service-object tcp-udp destination eq sip
service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_77309414071
description Generated by CS-Manager from service of FirewallRule# 15
(ASA-DC-1-vdcl_v1/mandatory)
service-object icmp echo
service-object icmp echo-reply
service-object icmp unreachable
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq ftp
service-object tcp destination eq ssh
group-object TCP1080
group-object TCP8080
group-object RDP
object-group service NTP
description NTP Protocols
service-object tcp destination eq 123
service-object udp destination eq ntp
object-group service CSM_INLINE_svc_rule_77309414073
description Generated by CS-Manager from service of FirewallRule# 16
(ASA-DC-1-vdcl_v1/mandatory)
group-object DNS-Resolving
group-object NTP
object-group service CSM_INLINE_svc_rule_77309414077
description Generated by CS-Manager from service of FirewallRule# 18
(ASA-DC-1-vdcl_v1/mandatory)
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
group-object LDAP-GC
group-object LDAP-GC-SSL
group-object LDAP-UDP
object-group service CSM_INLINE_svc_rule_77309411655
description Generated by CS-Manager from service of FirewallRule# 21
(ASA-DC-1-vdcl_v1/mandatory)
service-object udp destination eq snmptrap
service-object udp destination eq snmp
service-object udp destination eq syslog
object-group service CSM_INLINE_svc_rule_77309411657
description Generated by CS-Manager from service of FirewallRule# 22
(ASA-DC-1-vdcl_v1/mandatory)
service-object udp destination eq domain
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
object-group service CSM_INLINE_svc_rule_77309411663
description Generated by CS-Manager from service of FirewallRule# 25
(ASA-DC-1-vdcl_v1/mandatory)
service-object udp destination eq 1812
service-object udp destination eq 1813
object-group service CSM_INLINE_svc_rule_77309411665
description Generated by CS-Manager from service of FirewallRule# 26
(ASA-DC-1-vdcl_v1/mandatory)
service-object tcp destination eq https
service-object tcp destination eq www
group-object HTTPS-8443

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```

object-group service ESX-SLP
  description CIM Service Location Protocol (SLP) for VMware systems
  service-object udp destination eq 427
  service-object tcp destination eq 427
object-group service CSM_INLINE_svc_rule_77309411667
  description Generated by CS-Manager from service of FirewallRule# 27
  (ASA-DC-1-vdc1_v1/mandatory)
  service-object tcp destination eq https
  service-object tcp destination eq www
  service-object tcp destination eq ssh
  group-object vCenter-to-ESX4
  group-object ESX-SLP
object-group service Cisco-Mobility
  description Mobility ports for Wireless
  service-object udp destination eq 16666
  service-object udp destination eq 16667
object-group service CSM_INLINE_svc_rule_77309411671
  description Generated by CS-Manager from service of FirewallRule# 29
  (ASA-DC-1-vdc1_v1/mandatory)
  service-object tcp destination eq https
  service-object udp destination eq isakmp
  group-object Cisco-Mobility
  group-object IP-Protocol-97
  group-object LWAPP
  group-object CAPWAP
object-group service CSM_INLINE_svc_rule_77309411673
  description Generated by CS-Manager from service of FirewallRule# 30
  (ASA-DC-1-vdc1_v1/mandatory)
  service-object tcp-udp destination eq sip
  service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_77309411675
  description Generated by CS-Manager from service of FirewallRule# 31
  (ASA-DC-1-vdc1_v1/mandatory)
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
  group-object Netbios
object-group service CSM_INLINE_svc_rule_77309411677
  description Generated by CS-Manager from service of FirewallRule# 32
  (ASA-DC-1-vdc1_v1/mandatory)
  service-object tcp destination eq ldap
  service-object tcp destination eq ldaps
  service-object udp destination eq 88
  service-object udp destination eq ntp
  service-object udp destination eq netbios-dgm
  group-object RPC
  group-object LDAP-GC
  group-object LDAP-GC-SSL
  group-object DNS-Resolving
  group-object Kerberos-TCP
  group-object Microsoft-DS-SMB
  group-object LDAP-UDP
  group-object RPC-HighPorts
object-group service CSM_INLINE_svc_rule_77309411679
  description Generated by CS-Manager from service of FirewallRule# 33
  (ASA-DC-1-vdc1_v1/mandatory)
  service-object tcp destination eq www
  service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_77309411681
  description Generated by CS-Manager from service of FirewallRule# 34
  (ASA-DC-1-vdc1_v1/mandatory)
  service-object tcp destination eq www
  service-object tcp destination eq https
  service-object tcp destination eq smtp

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service-object tcp destination eq pop3
service-object tcp destination eq imap4
object-group service CSM_INLINE_svc_rule_77309414166
description Generated by CS-Manager from service of FirewallRule# 40
(ASA-DC-1-vdcl_v1/mandatory)
service-object tcp destination eq smtp
group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_77309414172
description Generated by CS-Manager from service of FirewallRule# 43
(ASA-DC-1-vdcl_v1/mandatory)
service-object udp destination eq 1812
service-object udp destination eq 1813
object-group service CSM_INLINE_svc_rule_77309414176
description Generated by CS-Manager from service of FirewallRule# 45
(ASA-DC-1-vdcl_v1/mandatory)
service-object icmp
service-object tcp destination eq ssh
service-object tcp destination eq telnet
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq 8880
service-object tcp destination eq 8444
service-object tcp destination eq 5900
service-object tcp destination eq 5800
group-object RDP
group-object TCP1080
group-object TCP8080
group-object TFTP
group-object HTTPS-8443
group-object vCenter-to-ESX4
access-list CSM_FW_ACL_north extended permit ospf 192.168.162.0 255.255.255.0
192.168.162.0 255.255.255.0
access-list CSM_FW_ACL_north extended permit tcp object-group Stores-ALL object-group
EMC-NCM eq ssh
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411655
object-group Stores-ALL object-group RSA-enVision
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411657
object-group Stores-ALL object-group ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_north extended permit tcp object-group Stores-ALL object-group
TACACS eq tacacs
access-list CSM_FW_ACL_north extended permit udp object-group Stores-ALL object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411663
object-group Stores-ALL object-group CSM_INLINE_dst_rule_77309411663
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411665
object-group Stores-ALL object-group CSM_INLINE_dst_rule_77309411665
access-list CSM_FW_ACL_north remark VMWare ESX to Data Center
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411667
object-group Stores-ALL object-group vSphere-1
access-list CSM_FW_ACL_north remark Physical security systems
access-list CSM_FW_ACL_north extended permit tcp object-group Stores-ALL object-group
CSM_INLINE_dst_rule_77309411669 eq https
access-list CSM_FW_ACL_north remark Wireless control systems
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411671
object-group Stores-ALL object-group CSM_INLINE_dst_rule_77309411671
access-list CSM_FW_ACL_north remark Voice calls
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411673
object-group Stores-ALL object-group DC-ALL
access-list CSM_FW_ACL_north remark WAAS systems
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411675
object-group Stores-ALL object-group DC-WAAS
access-list CSM_FW_ACL_north remark Allow Active Directory Domain
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411677
object-group Stores-ALL object-group ActiveDirectory.cisco-irn.com

```

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access-list CSM_FW_ACL_north remark Allow Windows Updates
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411679
object-group Stores-ALL object-group MS-Update
access-list CSM_FW_ACL_north remark Allow Mail
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411681
object-group Stores-ALL object-group MSExchange
access-list CSM_FW_ACL_north remark Allow Applications
access-list CSM_FW_ACL_north extended permit tcp object-group
CSM_INLINE_src_rule_77309411683 object-group CSM_INLINE_dst_rule_77309411683 eq https
access-list CSM_FW_ACL_north extended permit udp object-group
CSM_INLINE_src_rule_77309414158 object-group NTP-Servers eq ntp
access-list CSM_FW_ACL_north remark - RIE-2
access-list CSM_FW_ACL_north extended permit udp object-group
CSM_INLINE_src_rule_77309414160 object-group RSA-enVision eq syslog
access-list CSM_FW_ACL_north extended permit tcp object-group
CSM_INLINE_src_rule_77309414162 object-group TACACS eq tacacs
access-list CSM_FW_ACL_north extended permit udp 192.168.21.0 255.255.255.0 object-group
ActiveDirectory.cisco-irn.com eq domain
access-list CSM_FW_ACL_north remark Ironport traffic in from DNZ
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309414166
host 192.168.23.68 any
access-list CSM_FW_ACL_north extended permit udp host 192.168.23.68 object-group
RSA-enVision eq syslog
access-list CSM_FW_ACL_north extended permit udp host 192.168.23.68 object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309414172
host 192.168.23.68 object-group TACACS
access-list CSM_FW_ACL_north remark Drop all other traffic
access-list CSM_FW_ACL_north extended deny ip any any log
access-list CSM_FW_ACL_south extended permit ospf 192.168.162.0 255.255.255.0
192.168.162.0 255.255.255.0
access-list CSM_FW_ACL_south extended permit ip object-group
CSM_INLINE_src_rule_77309411633 object-group CSM_INLINE_dst_rule_77309411633
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411635
object-group Admin-Systems object-group CSM_INLINE_dst_rule_77309411635
access-list CSM_FW_ACL_south remark Allow services for Ironport apps
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414079
object-group CSM_INLINE_src_rule_77309414079 192.168.23.64 255.255.255.224
access-list CSM_FW_ACL_south remark Allow traffic to DMZ
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414081
object-group CSM_INLINE_src_rule_77309414081 host 192.168.20.30
access-list CSM_FW_ACL_south remark Drop unauthorized traffic to DMZ
access-list CSM_FW_ACL_south extended deny ip any 192.168.20.0 255.255.252.0 log
access-list CSM_FW_ACL_south remark Allow Active Directory Domain
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411637
object-group ActiveDirectory.cisco-irn.com object-group Stores-ALL
access-list CSM_FW_ACL_south remark VMware - ESX systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411639
object-group vSphere-1 object-group Stores-ALL
access-list CSM_FW_ACL_south remark Wireless Management to Stores
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411641
object-group CSM_INLINE_src_rule_77309411641 object-group Stores-ALL
access-list CSM_FW_ACL_south remark Physical security systems
access-list CSM_FW_ACL_south extended permit tcp object-group
CSM_INLINE_src_rule_77309411643 object-group Stores-ALL eq https
access-list CSM_FW_ACL_south remark Allow Management of store systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411645
object-group DC-ALL object-group Stores-ALL
access-list CSM_FW_ACL_south remark WAAS systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411647
object-group DC-WAAS object-group Stores-ALL
access-list CSM_FW_ACL_south remark Voice calls
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411649
object-group DC-ALL object-group Stores-ALL

```

```
access-list CSM_FW_ACL_south extended deny ip any object-group Stores-ALL
access-list CSM_FW_ACL_south remark Allow outbound services for Internet
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414071
object-group CSM_INLINE_src_rule_77309414071 any
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414073
object-group ActiveDirectory.cisco-irn.com any
access-list CSM_FW_ACL_south extended permit udp object-group NTP-Servers any eq ntp
access-list CSM_FW_ACL_south remark Allow LDAP out LAB test
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309414077
object-group PAME-DC-1 any log
access-list CSM_FW_ACL_south remark Drop and Log all other traffic
access-list CSM_FW_ACL_south extended deny ip any any log
pager lines 24
logging host south 192.168.42.124
mtu north 1500
mtu south 1500
icmp unreachable rate-limit 1 burst-size 1
icmp permit any north
icmp permit any south
asdm history enable
arp timeout 14400
access-group CSM_FW_ACL_north in interface north
access-group CSM_FW_ACL_south in interface south
route north 0.0.0.0 0.0.0.0 192.168.162.1 1
route south 192.168.38.0 255.255.255.0 192.168.162.7 1
route south 192.168.39.0 255.255.255.0 192.168.162.7 1
route south 192.168.40.0 255.255.255.0 192.168.162.7 1
route south 192.168.41.0 255.255.255.0 192.168.162.7 1
route south 192.168.42.0 255.255.255.0 192.168.162.7 1
route south 192.168.43.0 255.255.255.0 192.168.162.7 1
route south 192.168.44.0 255.255.255.0 192.168.162.7 1
route south 192.168.45.0 255.255.255.0 192.168.162.7 1
route south 192.168.46.0 255.255.255.0 192.168.162.7 1
route south 192.168.52.0 255.255.255.0 192.168.162.7 1
timeout xlate 3:00:00
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (south) host 192.168.42.131
key *****
aaa authentication ssh console RETAIL LOCAL
aaa authentication enable console RETAIL LOCAL
aaa authentication http console RETAIL LOCAL
aaa accounting ssh console RETAIL
aaa accounting enable console RETAIL
aaa accounting command privilege 15 RETAIL
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 60
http 10.19.151.99 255.255.255.255 north
http 192.168.41.101 255.255.255.255 south
http 192.168.41.102 255.255.255.255 south
http 192.168.42.122 255.255.255.255 south
http 192.168.42.124 255.255.255.255 south
http 192.168.42.133 255.255.255.255 south
http 192.168.42.138 255.255.255.255 south
no snmp-server location
no snmp-server contact
```

```
telnet timeout 5
ssh 10.19.151.99 255.255.255.255 north
ssh 192.168.41.101 255.255.255.255 south
ssh 192.168.41.102 255.255.255.255 south
ssh 192.168.42.122 255.255.255.255 south
ssh 192.168.42.124 255.255.255.255 south
ssh 192.168.42.133 255.255.255.255 south
ssh 192.168.42.138 255.255.255.255 south
ssh timeout 15
ssh version 2
no threat-detection statistics tcp-intercept
username csmadmin password <removed> encrypted privilege 15
username retail password <removed> encrypted privilege 15
username bmcgloth password <removed> encrypted privilege 15
!
class-map inspection_default
  match default-inspection-traffic
!
!
policy-map type inspect dns preset_dns_map
  parameters
    message-length maximum client auto
    message-length maximum 512
policy-map global_policy
  class inspection_default
    inspect dns preset_dns_map
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect ip-options
    inspect netbios
    inspect rsh
    inspect rtsp
    inspect skinny
    inspect esmtp
    inspect sqlnet
    inspect sunrpc
    inspect tftp
    inspect sip
    inspect xdmcp
!
service-policy global_policy global
Cryptochecksum:70afa3a2a3007db41f3f336aca5cf51d
: end
asdm history enable
```

RAGG-1-RUNNING

```
!Command: show running-config
!Time: Sun Apr 24 16:49:11 2011

version 5.1(2)
hostname RAGG-1
vdc RAGG-1 id 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
```

```

limit-resource u6route-mem minimum 16 maximum 16
limit-resource m4route-mem minimum 48 maximum 48
limit-resource m6route-mem minimum 8 maximum 8
vdc vdc1 id 2
  allocate interface Ethernet1/1,Ethernet1/3,Ethernet1/5,Ethernet1/7,Ethernet1/25-32
  allocate interface Ethernet2/1-12
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5
vdc vdc2 id 3
  allocate interface Ethernet1/2,Ethernet1/4,Ethernet1/6,Ethernet1/8-24
  allocate interface Ethernet2/13-48
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5

feature privilege
feature tacacs+

username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd @
WARNING:
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TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host RAGG-1 192.168.42.36
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
  server 192.168.42.131

```



```
        use-vrf management
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.42.36/32
    20 permit ip 192.168.41.101/32 192.168.42.36/32
    30 permit ip 192.168.41.102/32 192.168.42.36/32
    40 permit ip 192.168.42.111/32 192.168.42.36/32
    50 permit ip 192.168.42.122/32 192.168.42.36/32
    60 permit ip 192.168.42.131/32 192.168.42.36/32
    70 permit ip 192.168.42.133/32 192.168.42.36/32
    80 permit ip 192.168.42.138/32 192.168.42.36/32
    90 permit ip 10.19.151.99/32 192.168.42.36/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.42.36/32
    20 deny ip any any
ip access-list copp-system-acl-bgp
    10 permit tcp any gt 1024 any eq bgp
    20 permit tcp any eq bgp any gt 1024
ipv6 access-list copp-system-acl-bgp6
    10 permit tcp any gt 1024 any eq bgp
    20 permit tcp any eq bgp any gt 1024
ip access-list copp-system-acl-eigrp
    10 permit eigrp any any
ip access-list copp-system-acl-ftp
    10 permit tcp any any eq ftp-data
    20 permit tcp any any eq ftp
    30 permit tcp any eq ftp-data any
    40 permit tcp any eq ftp any
ip access-list copp-system-acl-glbp
    10 permit udp any eq 3222 224.0.0.0/24 eq 3222
ip access-list copp-system-acl-hsrp
    10 permit udp any 224.0.0.0/24 eq 1985
ip access-list copp-system-acl-icmp
    10 permit icmp any any echo
    20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6
    10 permit icmp any any echo-request
    20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6-msgs
    10 permit icmp any any router-advertisement
    20 permit icmp any any router-solicitation
    30 permit icmp any any nd-na
    40 permit icmp any any nd-ns
    50 permit icmp any any mld-query
    60 permit icmp any any mld-report
    70 permit icmp any any mld-reduction
ip access-list copp-system-acl-igmp
    10 permit igmp any 224.0.0.0/3
ip access-list copp-system-acl-msdp
    10 permit tcp any gt 1024 any eq 639
    20 permit tcp any eq 639 any gt 1024
ip access-list copp-system-acl-ntp
    10 permit udp any any eq ntp
    20 permit udp any eq ntp any
ipv6 access-list copp-system-acl-ntp6
    10 permit udp any any eq ntp
    20 permit udp any eq ntp any
ip access-list copp-system-acl-ospf
    10 permit ospf any any
ipv6 access-list copp-system-acl-ospf6
    10 permit 89 any any
ip access-list copp-system-acl-pim
```

```

    10 permit pim any 224.0.0.0/24
    20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-pim-reg
    10 permit pim any any
ipv6 access-list copp-system-acl-pim6
    10 permit 103 any ff02::d/128
    20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-radius
    10 permit udp any any eq 1812
    20 permit udp any any eq 1813
    30 permit udp any any eq 1645
    40 permit udp any any eq 1646
    50 permit udp any eq 1812 any
    60 permit udp any eq 1813 any
    70 permit udp any eq 1645 any
    80 permit udp any eq 1646 any
ipv6 access-list copp-system-acl-radius6
    10 permit udp any any eq 1812
    20 permit udp any any eq 1813
    30 permit udp any any eq 1645
    40 permit udp any any eq 1646
    50 permit udp any eq 1812 any
    60 permit udp any eq 1813 any
    70 permit udp any eq 1645 any
    80 permit udp any eq 1646 any
ip access-list copp-system-acl-rip
    10 permit udp any 224.0.0.0/24 eq rip
ip access-list copp-system-acl-sftp
    10 permit tcp any any eq 115
    20 permit tcp any eq 115 any
ip access-list copp-system-acl-snmp
    10 permit udp any any eq snmp
    20 permit udp any any eq snmptrap
ip access-list copp-system-acl-ssh
    10 permit tcp any any eq 22
    20 permit tcp any eq 22 any
ipv6 access-list copp-system-acl-ssh6
    10 permit tcp any any eq 22
    20 permit tcp any eq 22 any
ip access-list copp-system-acl-tacacs
    10 permit tcp any any eq tacacs
    20 permit tcp any eq tacacs any
ipv6 access-list copp-system-acl-tacacs6
    10 permit tcp any any eq tacacs
    20 permit tcp any eq tacacs any
ip access-list copp-system-acl-telnet
    10 permit tcp any any eq telnet
    20 permit tcp any any eq 107
    30 permit tcp any eq telnet any
    40 permit tcp any eq 107 any
ipv6 access-list copp-system-acl-telnet6
    10 permit tcp any any eq telnet
    20 permit tcp any any eq 107
    30 permit tcp any eq telnet any
    40 permit tcp any eq 107 any
ip access-list copp-system-acl-tftp
    10 permit udp any any eq tftp
    20 permit udp any any eq 1758
    30 permit udp any eq tftp any
    40 permit udp any eq 1758 any
ipv6 access-list copp-system-acl-tftp6
    10 permit udp any any eq tftp
    20 permit udp any any eq 1758
    30 permit udp any eq tftp any

```

```

40 permit udp any eq 1758 any
ip access-list copp-system-acl-traceroute
10 permit icmp any any ttl-exceeded
20 permit icmp any any port-unreachable
ip access-list copp-system-acl-undesirable
10 permit udp any any eq 1434
ip access-list copp-system-acl-vpc
10 permit udp any any eq 3200
ip access-list copp-system-acl-vrrp
10 permit 112 any 224.0.0.0/24
class-map type control-plane match-any copp-system-class-critical
match access-group name copp-system-acl-bgp
match access-group name copp-system-acl-bgp6
match access-group name copp-system-acl-eigrp
match access-group name copp-system-acl-igmp
match access-group name copp-system-acl-msdp
match access-group name copp-system-acl-ospf
match access-group name copp-system-acl-ospf6
match access-group name copp-system-acl-pim
match access-group name copp-system-acl-pim6
match access-group name copp-system-acl-rip
match access-group name copp-system-acl-vpc
class-map type control-plane match-any copp-system-class-exception
match exception ip option
match exception ip icmp unreachable
match exception ipv6 option
match exception ipv6 icmp unreachable
class-map type control-plane match-any copp-system-class-important
match access-group name copp-system-acl-glbp
match access-group name copp-system-acl-hsrp
match access-group name copp-system-acl-vrrp
match access-group name copp-system-acl-icmp6-msgs
match access-group name copp-system-acl-pim-reg
class-map type control-plane match-any copp-system-class-management
match access-group name copp-system-acl-ftp
match access-group name copp-system-acl-ntp
match access-group name copp-system-acl-ntp6
match access-group name copp-system-acl-radius
match access-group name copp-system-acl-sftp
match access-group name copp-system-acl-snmp
match access-group name copp-system-acl-ssh
match access-group name copp-system-acl-ssh6
match access-group name copp-system-acl-tacacs
match access-group name copp-system-acl-telnet
match access-group name copp-system-acl-tftp
match access-group name copp-system-acl-tftp6
match access-group name copp-system-acl-radius6
match access-group name copp-system-acl-tacacs6
match access-group name copp-system-acl-telnet6
class-map type control-plane match-any copp-system-class-monitoring
match access-group name copp-system-acl-icmp
match access-group name copp-system-acl-icmp6
match access-group name copp-system-acl-traceroute
class-map type control-plane match-any copp-system-class-normal
match protocol arp
class-map type control-plane match-any copp-system-class-redirect
match redirect dhcp-snoop
match redirect arp-inspect
class-map type control-plane match-any copp-system-class-undesirable
match access-group name copp-system-acl-undesirable
policy-map type control-plane copp-system-policy
class copp-system-class-critical
police cir 39600 kbps bc 250 ms conform transmit violate drop
class copp-system-class-important

```

```

    police cir 1060 kbps bc 1000 ms conform transmit violate drop
class copp-system-class-management
    police cir 10000 kbps bc 250 ms conform transmit violate drop
class copp-system-class-normal
    police cir 680 kbps bc 250 ms conform transmit violate drop
class copp-system-class-redirect
    police cir 280 kbps bc 250 ms conform transmit violate drop
class copp-system-class-monitoring
    police cir 130 kbps bc 1000 ms conform transmit violate drop
class copp-system-class-exception
    police cir 360 kbps bc 250 ms conform transmit violate drop
class copp-system-class-undesirable
    police cir 32 kbps bc 250 ms conform drop violate drop
class class-default
    police cir 100 kbps bc 250 ms conform transmit violate drop
control-plane
    service-policy input copp-system-policy
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
    ip route 0.0.0.0/0 192.168.42.1
vlan 1

interface mgmt0
    ip address 192.168.42.36/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
    logout-warning 20
line console
    exec-timeout 15
line vty
    exec-timeout 15
    access-class 23 in
boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-1
boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-1
boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-2
boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-2
logging server 192.168.42.124 6 use-vrf management

```

RAGG-1-VDC1-RUNNING

```

!Command: show running-config
!Time: Sun Apr 24 16:50:08 2011

version 5.1(2)
hostname vdc1

feature privilege
feature tacacs+

```

```

cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature glbp
feature vpc

username admin password 5 <removed> role vdc-admin
username retail password 5 <removed> role vdc-admin
username emc-ncm password 5 <removed> role vdc-admin
username bart password 5 <removed> role vdc-admin
enable secret 5 <removed>

banner motd @
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@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    source-interface loopback0
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.1.11/32
    20 permit ip 192.168.41.101/32 192.168.1.11/32
    30 permit ip 192.168.41.102/32 192.168.1.11/32
    40 permit ip 192.168.42.111/32 192.168.1.11/32
    50 permit ip 192.168.42.122/32 192.168.1.11/32
    60 permit ip 192.168.42.131/32 192.168.1.11/32
    70 permit ip 192.168.42.133/32 192.168.1.11/32
    80 permit ip 192.168.42.138/32 192.168.1.11/32
    90 permit ip 10.19.151.99/32 192.168.1.11/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.1.11/32
    20 deny ip any any
snmp-server source-interface trap loopback0
snmp-server source-interface inform loopback0
snmp-server user bart vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm vdc-admin auth md5 <removed> priv <removed> localizedkey

```

```

no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps entity entity_power_out_change
no snmp-server enable traps link linkDown
no snmp-server enable traps link linkUp
no snmp-server enable traps link IETF-extended-linkDown
no snmp-server enable traps link IETF-extended-linkUp
no snmp-server enable traps link cisco-extended-linkDown
no snmp-server enable traps link cisco-extended-linkUp
snmp-server enable traps callhome event-notify
snmp-server enable traps callhome smtp-send-fail
snmp-server enable traps cfs state-change-notif
snmp-server enable traps cfs merge-failure
no snmp-server enable traps rf redundancy_framework
snmp-server enable traps aaa server-state-change
no snmp-server enable traps license notify-license-expiry
no snmp-server enable traps license notify-no-license-for-feature
no snmp-server enable traps license notify-licensefile-missing
no snmp-server enable traps license notify-license-expiry-warning
snmp-server enable traps hsrp state-change
no snmp-server enable traps upgrade UpgradeOpNotifyOnCompletion
no snmp-server enable traps upgrade UpgradeJobStatusNotify
snmp-server enable traps feature-control FeatureOpStatusChange
snmp-server enable traps link cisco-xcvr-mon-status-chg
snmp-server enable traps vtp notifs
snmp-server enable traps vtp vlancreate
snmp-server enable traps vtp vlandelete
snmp-server enable traps bridge newroot
snmp-server enable traps bridge topologychange
snmp-server enable traps stpx inconsistency
snmp-server enable traps stpx root-inconsistency
snmp-server enable traps stpx loop-inconsistency
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
vlan 1,3,151,161

interface Vlan1

interface Vlan3
  no shutdown
  ip address 192.168.10.61/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 3
  ip ospf hello-interval 1
  ip router ospf 5 area 0.0.0.0

interface Vlan151
  no shutdown
  ip address 192.168.152.3/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf priority 3
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode

```

```
ip igmp version 3
hsrp 1
  authentication text c1sc0
  preempt delay minimum 180
  priority 10 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.152.1

interface Vlan161
  no shutdown
  ip address 192.168.162.3/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf priority 5
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 10 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.162.1

interface port-channel99
  switchport
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/1
  description 10Gig LINK to RCore-1 T2/1
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.14/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/3
  description 10Gig LINK to RCore-2 T2/1
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.22/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/5
  description to DC-ASA-1 vc1 T0/6
  switchport
```

```
switchport mode trunk
switchport trunk allowed vlan 161
spanning-tree port type normal
no shutdown

interface Ethernet1/7
description to DC-ASA-1 vc2 T0/8
switchport
switchport mode trunk
switchport trunk allowed vlan 151
spanning-tree port type normal
no shutdown

interface Ethernet1/25
no switchport

interface Ethernet1/26
no switchport

interface Ethernet1/27
no switchport

interface Ethernet1/28
no switchport

interface Ethernet1/29
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet1/30
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet1/31
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet1/32
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet2/1
no switchport

interface Ethernet2/2
no switchport

interface Ethernet2/3
no switchport

interface Ethernet2/4
no switchport
```



```
interface Ethernet2/5
  no switchport

interface Ethernet2/6
  no switchport

interface Ethernet2/7
  no switchport

interface Ethernet2/8
  no switchport

interface Ethernet2/9
  no switchport

interface Ethernet2/10
  no switchport

interface Ethernet2/11
  no switchport

interface Ethernet2/12
  no switchport

interface loopback0
  ip address 192.168.1.11/32
  ip router ospf 5 area 0.0.0.0
logging server 192.168.42.124 6
logging source-interface loopback 0
  logout-warning 20
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
router ospf 5
  router-id 192.168.1.11
  area 0.0.0.81 nssa
  area 0.0.0.0 range 192.168.1.11/32
  area 0.0.0.0 range 192.168.10.12/30
  area 0.0.0.0 range 192.168.10.20/30
  area 0.0.0.0 range 192.168.10.60/30
  area 0.0.0.81 range 192.168.152.0/24
  area 0.0.0.81 range 192.168.162.0/24
  area 0.0.0.0 authentication message-digest
  area 0.0.0.81 authentication message-digest
  timers throttle spf 10 100 5000
  auto-cost reference-bandwidth 10000
ip pim ssm range 232.0.0.0/8
```

RAGG-1-VDC2-RUNNING

```
!Command: show running-config
!Time: Sun Apr 24 16:50:48 2011

version 5.1(2)
hostname vdc2

feature privilege
```

```
feature tacacs+
cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature vpc

username admin password 5 <removed>    role vdc-admin
username retail password 5 <removed>    role vdc-admin
username bart password 5 <removed>    role vdc-admin
username emc-ncm password 5 <removed> role vdc-admin
enable secret 5 <removed>

banner motd @
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf servers1
    source-interface loopback0
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.1.31/32
    20 permit ip 192.168.41.101/32 192.168.1.31/32
    30 permit ip 192.168.41.102/32 192.168.1.31/32
    40 permit ip 192.168.42.111/32 192.168.1.31/32
    50 permit ip 192.168.42.122/32 192.168.1.31/32
    60 permit ip 192.168.42.131/32 192.168.1.31/32
    70 permit ip 192.168.42.133/32 192.168.1.31/32
    80 permit ip 192.168.42.138/32 192.168.1.31/32
    90 permit ip 10.19.151.99/32 192.168.1.31/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.1.31/32
    20 deny ip any any
snmp-server source-interface trap loopback0
snmp-server source-interface inform loopback0
snmp-server user bart vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm vdc-admin auth md5 <removed> priv <removed> localizedkey
```

```

no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps entity entity_power_out_change
no snmp-server enable traps link linkDown
no snmp-server enable traps link linkUp
no snmp-server enable traps link IETF-extended-linkDown
no snmp-server enable traps link IETF-extended-linkUp
no snmp-server enable traps link cisco-extended-linkDown
no snmp-server enable traps link cisco-extended-linkUp
snmp-server enable traps callhome event-notify
snmp-server enable traps callhome smtp-send-fail
snmp-server enable traps cfs state-change-notif
snmp-server enable traps cfs merge-failure
no snmp-server enable traps rf redundancy_framework
snmp-server enable traps aaa server-state-change
no snmp-server enable traps license notify-license-expiry
no snmp-server enable traps license notify-no-license-for-feature
no snmp-server enable traps license notify-licensefile-missing
no snmp-server enable traps license notify-license-expiry-warning
snmp-server enable traps hsrp state-change
no snmp-server enable traps upgrade UpgradeOpNotifyOnCompletion
no snmp-server enable traps upgrade UpgradeJobStatusNotify
snmp-server enable traps feature-control FeatureOpStatusChange
snmp-server enable traps link cisco-xcvr-mon-status-chg
snmp-server enable traps vtp notifs
snmp-server enable traps vtp vlancreate
snmp-server enable traps vtp vlandelete
snmp-server enable traps bridge newroot
snmp-server enable traps bridge topologychange
snmp-server enable traps stpx inconsistency
snmp-server enable traps stpx root-inconsistency
snmp-server enable traps stpx loop-inconsistency
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context VPC
vrf context servers1
    ip route 0.0.0.0/0 192.168.162.1
    ip route 192.168.41.0/24 192.168.42.135
    ip pim ssm range 232.0.0.0/8
vrf context servers2
    ip pim ssm range 232.0.0.0/8
vrf context management
vlan 1
vlan 36
    name DeviceMgmtHigh
vlan 37
    name DeviceMgmtLow
vlan 38
    name UIM-OS-INSTALL
vlan 40-41
vlan 42
    name CoreManagement
vlan 43
    name WirelessSystems
vlan 44
    name PhysicalSec

```

```
vlan 45
  name VOICE
vlan 52
  name POS
vlan 151-152,154,161-162,164,180-181
spanning-tree domain 777
spanning-tree vlan 1 priority 4096
ip prefix-list VLAN41 seq 5 permit 192.168.41.0/24
route-map VLAN41 permit 20
  match ip address prefix-list VLAN41
vpc domain 99
  peer-switch
  peer-keepalive destination 192.168.10.66 source 192.168.10.65 vrf VPC
  peer-gateway

interface Vlan1
  no shutdown
  no ip redirects

interface Vlan36
  no shutdown
  description DeviceMgmtHigh
  vrf member servers1
  no ip redirects
  ip address 192.168.36.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.36.1

interface Vlan37
  no shutdown
  description DeviceMgmtLow
  vrf member servers1
  no ip redirects
  ip address 192.168.37.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.37.1

interface Vlan38
  no shutdown
  description UIM OS Install only
  vrf member servers1
  no ip redirects
  ip address 192.168.38.201/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
```

```
interface Vlan40
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.40.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.40.1

interface Vlan41
  shutdown
  description SHUTDOWN - NOW ROUTE VIA HyTrust
  vrf member servers1
  no ip redirects
  ip address 192.168.41.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.41.1

interface Vlan42
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.42.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.42.1

interface Vlan43
  no shutdown
  description Wireless Systems
  vrf member servers1
  no ip redirects
  ip address 192.168.43.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
```

```
timers 1 3
ip 192.168.43.1

interface Vlan44
  no shutdown
  description Wireless Systems
  vrf member servers1
  no ip redirects
  ip address 192.168.44.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text cisc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.44.1

interface Vlan45
  no shutdown
  description VOICE
  vrf member servers1
  no ip redirects
  ip address 192.168.45.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text cisc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.45.1

interface Vlan52
  no shutdown
  description POS
  vrf member servers1
  no ip redirects
  ip address 192.168.52.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text cisc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.52.1

interface Vlan154
  no shutdown
  vrf member servers2
  no ip redirects
  ip address 192.168.152.5/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
```

```
hsrp 2
  authentication text c1sc0
  preempt delay minimum 180
  priority 110 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.152.7

interface Vlan164
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.162.5/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.162.7

interface Vlan180
  no shutdown
  vrf member servers1
  no ip redirects
  ip address 192.168.180.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.180.1

interface Vlan181
  no shutdown
  vrf member servers2
  no ip redirects
  ip address 192.168.181.3/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text c1sc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.181.1

interface port-channel1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  vpc 1

interface port-channel2
  switchport
```

```
switchport mode trunk
switchport trunk allowed vlan 38,41-42,44
vpc 2

interface port-channel3
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
vpc 3

interface port-channel4
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
vpc 4

interface port-channel11
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
spanning-tree port type edge trunk
vpc 11

interface port-channel12
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
spanning-tree port type edge trunk
vpc 12

interface port-channel99
switchport
switchport mode trunk
switchport trunk allowed vlan 36-52
spanning-tree port type network
spanning-tree guard loop
vpc peer-link

interface Ethernet1/2
description F-UCS-1_E2/1 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
channel-group 11 mode active
no shutdown

interface Ethernet1/4
description F-UCS-1_E2/2 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
channel-group 11 mode active
no shutdown

interface Ethernet1/6
description F-UCS-2_E2/1 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
channel-group 12 mode active
no shutdown

interface Ethernet1/8
description F-UCS-2_E2/2 vPC Channel link
```



```
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
channel-group 12 mode active
no shutdown

interface Ethernet1/9
description SACCESS-3 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
channel-group 3 mode active
no shutdown

interface Ethernet1/10
description SACCESS-3 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
channel-group 3 mode active
no shutdown

interface Ethernet1/11
description SACCESS-4 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
channel-group 4 mode active
no shutdown

interface Ethernet1/12
description SACCESS-4 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
channel-group 4 mode active
no shutdown

interface Ethernet1/13
description SACCESS-1 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-42,44
channel-group 1 mode active
no shutdown

interface Ethernet1/14
description SACCESS-2 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-42,44
channel-group 2 mode active
no shutdown

interface Ethernet1/15
description to RSERV-1 T2/1
switchport
switchport mode trunk
switchport trunk allowed vlan 162
spanning-tree port type normal
no shutdown

interface Ethernet1/16
description to RSERV-1 T2/2
```

```
switchport
switchport mode trunk
switchport trunk allowed vlan 152
spanning-tree port type normal
no shutdown

interface Ethernet1/17
description to RSERV-1 T2/5
switchport
switchport mode trunk
switchport trunk allowed vlan 41-44,164
spanning-tree port type normal
no shutdown

interface Ethernet1/18
description to RSERV-1 T2/6
switchport
switchport mode trunk
switchport trunk allowed vlan 154
spanning-tree port type normal
no shutdown

interface Ethernet1/19
description to DC-ASA-1 vc1 T5/1
switchport
switchport mode trunk
switchport trunk allowed vlan 162
spanning-tree port type normal
no shutdown

interface Ethernet1/20
description to DC-ASA-1 vc2 T7/1
switchport
switchport mode trunk
switchport trunk allowed vlan 152
spanning-tree port type normal
no shutdown

interface Ethernet1/21
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 36-52
udld aggressive
channel-group 99 mode active
no shutdown

interface Ethernet1/22
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 36-52
udld aggressive
channel-group 99 mode active
no shutdown

interface Ethernet1/23
description RAGG-2 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 36-52
udld aggressive
channel-group 99 mode active
no shutdown
```

```
interface Ethernet1/24
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  uddl aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet2/13
  description SACCESS-5
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  no shutdown

interface Ethernet2/14
  description linkstate for vpc
  no switchport
  vrf member VPC
  ip address 192.168.10.65/30
  no shutdown

interface Ethernet2/15
  no switchport

interface Ethernet2/16
  no switchport

interface Ethernet2/17
  no switchport

interface Ethernet2/18
  no switchport

interface Ethernet2/19
  no switchport

interface Ethernet2/20
  no switchport

interface Ethernet2/21
  no switchport

interface Ethernet2/22
  no switchport

interface Ethernet2/23
  no switchport

interface Ethernet2/24
  no switchport

interface Ethernet2/25
  no switchport

interface Ethernet2/26
  no switchport

interface Ethernet2/27
  no switchport

interface Ethernet2/28
```

```
no switchport

interface Ethernet2/29
no switchport

interface Ethernet2/30
no switchport

interface Ethernet2/31
no switchport

interface Ethernet2/32
no switchport

interface Ethernet2/33
no switchport

interface Ethernet2/34
no switchport

interface Ethernet2/35
no switchport

interface Ethernet2/36
no switchport

interface Ethernet2/37
no switchport

interface Ethernet2/38
no switchport

interface Ethernet2/39
no switchport

interface Ethernet2/40
no switchport

interface Ethernet2/41
no switchport

interface Ethernet2/42
no switchport

interface Ethernet2/43
no switchport

interface Ethernet2/44
no switchport

interface Ethernet2/45
no switchport

interface Ethernet2/46
no switchport

interface Ethernet2/47
no switchport

interface Ethernet2/48
no switchport

interface loopback0
vrf member servers1
```

```

ip address 192.168.1.31/32
ip router ospf 5 area 0.0.0.81
logging server 192.168.42.124 6 use-vrf servers1
logging source-interface loopback 0
logout-warning 20
line console
exec-timeout 15
line vty
exec-timeout 15
access-class 23 in
router ospf 5
vrf servers1
router-id 4.4.4.1
area 0.0.0.81 nssa
redistribute static route-map VLAN41
area 0.0.0.81 range 192.168.0.0/16
area 0.0.0.81 range 192.168.162.0/24
area 0.0.0.81 authentication message-digest
timers throttle spf 10 100 5000
vrf servers2
router-id 5.5.5.1
area 0.0.0.81 nssa
area 0.0.0.81 range 192.168.0.0/16
area 0.0.0.81 range 192.168.152.0/24
area 0.0.0.81 authentication message-digest
timers throttle spf 10 100 5000
ip pim ssm range 232.0.0.0/8

```

RAGG-2-RUNNING

```

!Command: show running-config
!Time: Sun Apr 24 16:52:03 2011

version 5.1(2)
hostname RAGG-2
vdc RAGG-2 id 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 48 maximum 48
  limit-resource m6route-mem minimum 8 maximum 8
vdc vdc1 id 2
  allocate interface Ethernet1/1,Ethernet1/3,Ethernet1/5,Ethernet1/7,Ethernet1/25-32
  allocate interface Ethernet2/1-12
  boot-order 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource monitor-session-erspan-dst minimum 0 maximum 23
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 8 maximum 8
  limit-resource u6route-mem minimum 4 maximum 4
  limit-resource m4route-mem minimum 8 maximum 8
  limit-resource m6route-mem minimum 5 maximum 5
vdc vdc2 id 3
  allocate interface Ethernet1/2,Ethernet1/4,Ethernet1/6,Ethernet1/8-24

```

```

allocate interface Ethernet2/13-48
boot-order 1
limit-resource vlan minimum 16 maximum 4094
limit-resource monitor-session minimum 0 maximum 2
limit-resource monitor-session-erspan-dst minimum 0 maximum 23
limit-resource vrf minimum 2 maximum 1000
limit-resource port-channel minimum 0 maximum 768
limit-resource u4route-mem minimum 8 maximum 8
limit-resource u6route-mem minimum 4 maximum 4
limit-resource m4route-mem minimum 8 maximum 8
limit-resource m6route-mem minimum 5 maximum 5

feature privilege
feature tacacs+

username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd @
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host RAGG-2 192.168.42.37
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.42.37/32
    20 permit ip 192.168.41.101/32 192.168.42.37/32
    30 permit ip 192.168.41.102/32 192.168.42.37/32
    40 permit ip 192.168.42.111/32 192.168.42.37/32
    50 permit ip 192.168.42.122/32 192.168.42.37/32
    60 permit ip 192.168.42.131/32 192.168.42.37/32
    70 permit ip 192.168.42.133/32 192.168.42.37/32
    80 permit ip 192.168.42.138/32 192.168.42.37/32
    90 permit ip 10.19.151.99/32 192.168.42.37/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.42.37/32
    20 deny ip any any
ip access-list copp-system-acl-bgp

```

```
10 permit tcp any gt 1024 any eq bgp
20 permit tcp any eq bgp any gt 1024
ipv6 access-list copp-system-acl-bgp6
10 permit tcp any gt 1024 any eq bgp
20 permit tcp any eq bgp any gt 1024
ip access-list copp-system-acl-eigrp
10 permit eigrp any any
ip access-list copp-system-acl-ftp
10 permit tcp any any eq ftp-data
20 permit tcp any any eq ftp
30 permit tcp any eq ftp-data any
40 permit tcp any eq ftp any
ip access-list copp-system-acl-glbp
10 permit udp any eq 3222 224.0.0.0/24 eq 3222
ip access-list copp-system-acl-hsrp
10 permit udp any 224.0.0.0/24 eq 1985
ip access-list copp-system-acl-icmp
10 permit icmp any any echo
20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6
10 permit icmp any any echo-request
20 permit icmp any any echo-reply
ipv6 access-list copp-system-acl-icmp6-msgs
10 permit icmp any any router-advertisement
20 permit icmp any any router-solicitation
30 permit icmp any any nd-na
40 permit icmp any any nd-ns
50 permit icmp any any mld-query
60 permit icmp any any mld-report
70 permit icmp any any mld-reduction
ip access-list copp-system-acl-igmp
10 permit igmp any 224.0.0.0/3
ip access-list copp-system-acl-msdp
10 permit tcp any gt 1024 any eq 639
20 permit tcp any eq 639 any gt 1024
ip access-list copp-system-acl-ntp
10 permit udp any any eq ntp
20 permit udp any eq ntp any
ipv6 access-list copp-system-acl-ntp6
10 permit udp any any eq ntp
20 permit udp any eq ntp any
ip access-list copp-system-acl-ospf
10 permit ospf any any
ipv6 access-list copp-system-acl-ospf6
10 permit 89 any any
ip access-list copp-system-acl-pim
10 permit pim any 224.0.0.0/24
20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-pim-reg
10 permit pim any any
ipv6 access-list copp-system-acl-pim6
10 permit 103 any ff02::d/128
20 permit udp any any eq pim-auto-rp
ip access-list copp-system-acl-radius
10 permit udp any any eq 1812
20 permit udp any any eq 1813
30 permit udp any any eq 1645
40 permit udp any any eq 1646
50 permit udp any eq 1812 any
60 permit udp any eq 1813 any
70 permit udp any eq 1645 any
80 permit udp any eq 1646 any
ipv6 access-list copp-system-acl-radius6
10 permit udp any any eq 1812
```

```

20 permit udp any any eq 1813
30 permit udp any any eq 1645
40 permit udp any any eq 1646
50 permit udp any eq 1812 any
60 permit udp any eq 1813 any
70 permit udp any eq 1645 any
80 permit udp any eq 1646 any
ip access-list copp-system-acl-rip
10 permit udp any 224.0.0.0/24 eq rip
ip access-list copp-system-acl-sftp
10 permit tcp any any eq 115
20 permit tcp any eq 115 any
ip access-list copp-system-acl-snmp
10 permit udp any any eq snmp
20 permit udp any any eq snmptrap
ip access-list copp-system-acl-ssh
10 permit tcp any any eq 22
20 permit tcp any eq 22 any
ipv6 access-list copp-system-acl-ssh6
10 permit tcp any any eq 22
20 permit tcp any eq 22 any
ip access-list copp-system-acl-tacacs
10 permit tcp any any eq tacacs
20 permit tcp any eq tacacs any
ipv6 access-list copp-system-acl-tacacs6
10 permit tcp any any eq tacacs
20 permit tcp any eq tacacs any
ip access-list copp-system-acl-telnet
10 permit tcp any any eq telnet
20 permit tcp any any eq 107
30 permit tcp any eq telnet any
40 permit tcp any eq 107 any
ipv6 access-list copp-system-acl-telnet6
10 permit tcp any any eq telnet
20 permit tcp any any eq 107
30 permit tcp any eq telnet any
40 permit tcp any eq 107 any
ip access-list copp-system-acl-tftp
10 permit udp any any eq tftp
20 permit udp any any eq 1758
30 permit udp any eq tftp any
40 permit udp any eq 1758 any
ipv6 access-list copp-system-acl-tftp6
10 permit udp any any eq tftp
20 permit udp any any eq 1758
30 permit udp any eq tftp any
40 permit udp any eq 1758 any
ip access-list copp-system-acl-traceroute
10 permit icmp any any ttl-exceeded
20 permit icmp any any port-unreachable
ip access-list copp-system-acl-undesirable
10 permit udp any any eq 1434
ip access-list copp-system-acl-vpc
10 permit udp any any eq 3200
ip access-list copp-system-acl-vrrp
10 permit 112 any 224.0.0.0/24
class-map type control-plane match-any copp-system-class-critical
match access-group name copp-system-acl-bgp
match access-group name copp-system-acl-bgp6
match access-group name copp-system-acl-eigrp
match access-group name copp-system-acl-igmp
match access-group name copp-system-acl-msdp
match access-group name copp-system-acl-ospf
match access-group name copp-system-acl-ospf6

```



```

match access-group name copp-system-acl-pim
match access-group name copp-system-acl-pim6
match access-group name copp-system-acl-rip
match access-group name copp-system-acl-vpc
class-map type control-plane match-any copp-system-class-exception
match exception ip option
match exception ip icmp unreachable
match exception ipv6 option
match exception ipv6 icmp unreachable
class-map type control-plane match-any copp-system-class-important
match access-group name copp-system-acl-glb
match access-group name copp-system-acl-hsrp
match access-group name copp-system-acl-vrrp
match access-group name copp-system-acl-icmp6-msgs
match access-group name copp-system-acl-pim-reg
class-map type control-plane match-any copp-system-class-management
match access-group name copp-system-acl-ftp
match access-group name copp-system-acl-ntp
match access-group name copp-system-acl-ntp6
match access-group name copp-system-acl-radius
match access-group name copp-system-acl-sftp
match access-group name copp-system-acl-snmp
match access-group name copp-system-acl-ssh
match access-group name copp-system-acl-ssh6
match access-group name copp-system-acl-tacacs
match access-group name copp-system-acl-telnet
match access-group name copp-system-acl-tftp
match access-group name copp-system-acl-tftp6
match access-group name copp-system-acl-radius6
match access-group name copp-system-acl-tacacs6
match access-group name copp-system-acl-telnet6
class-map type control-plane match-any copp-system-class-monitoring
match access-group name copp-system-acl-icmp
match access-group name copp-system-acl-icmp6
match access-group name copp-system-acl-traceroute
class-map type control-plane match-any copp-system-class-normal
match protocol arp
class-map type control-plane match-any copp-system-class-redirect
match redirect dhcp-snoop
match redirect arp-inspect
class-map type control-plane match-any copp-system-class-undesirable
match access-group name copp-system-acl-undesirable
policy-map type control-plane copp-system-policy
class copp-system-class-critical
  police cir 39600 kbps bc 250 ms conform transmit violate drop
class copp-system-class-important
  police cir 1060 kbps bc 1000 ms conform transmit violate drop
class copp-system-class-management
  police cir 10000 kbps bc 250 ms conform transmit violate drop
class copp-system-class-normal
  police cir 680 kbps bc 250 ms conform transmit violate drop
class copp-system-class-redirect
  police cir 280 kbps bc 250 ms conform transmit violate drop
class copp-system-class-monitoring
  police cir 130 kbps bc 1000 ms conform transmit violate drop
class copp-system-class-exception
  police cir 360 kbps bc 250 ms conform transmit violate drop
class copp-system-class-undesirable
  police cir 32 kbps bc 250 ms conform drop violate drop
class class-default
  police cir 100 kbps bc 250 ms conform transmit violate drop
control-plane
  service-policy input copp-system-policy
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey

```

```

ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
  ip route 0.0.0.0/0 192.168.42.1
vlan 1

interface mgmt0
  ip address 192.168.42.37/24
  clock timezone PST -8 0
  clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
  logout-warning 20
  line console
    exec-timeout 15
  line vty
    exec-timeout 15
    access-class 23 in
  boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-1
  boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-1
  boot kickstart bootflash:/n7000-s1-kickstart.5.1.2.bin sup-2
  boot system bootflash:/n7000-s1-dk9.5.1.2.bin sup-2
  logging server 192.168.42.124 6 use-vrf management

```

RAGG-2-VDC1-RUNNING

```

!Command: show running-config
!Time: Sun Apr 24 16:52:35 2011

version 5.1(2)
hostname vdc1

feature privilege
feature tacacs+
cfs eth distribute
feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature glbp
feature vpc

username admin password 5 <removed>   role vdc-admin
username retail password 5 <removed>   role vdc-admin
username emc-ncm password 5 <removed>  role vdc-admin
username bart password 5 <removed>     role vdc-admin
enable secret 5 <removed>

banner motd @
WARNING:
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```

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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

```
ip domain-lookup
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    source-interface loopback0
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.1.12/32
    20 permit ip 192.168.41.101/32 192.168.1.12/32
    30 permit ip 192.168.41.102/32 192.168.1.12/32
    40 permit ip 192.168.42.111/32 192.168.1.12/32
    50 permit ip 192.168.42.122/32 192.168.1.12/32
    60 permit ip 192.168.42.131/32 192.168.1.12/32
    70 permit ip 192.168.42.133/32 192.168.1.12/32
    80 permit ip 192.168.42.138/32 192.168.1.12/32
    90 permit ip 10.19.151.99/32 192.168.1.12/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.1.12/32
    20 deny ip any any
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
vlan 1,3,151,161

interface Vlan1

interface Vlan3
    no shutdown
    ip address 192.168.10.62/30
    ip ospf authentication message-digest
    ip ospf message-digest-key 1 md5 3 <removed>
    ip ospf dead-interval 3
    ip ospf hello-interval 1
    ip router ospf 5 area 0.0.0.0

interface Vlan151
    no shutdown
    ip address 192.168.152.4/24
    ip ospf authentication message-digest
    ip ospf message-digest-key 1 md5 3 <removed>
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
    ip igmp version 3
```

```
hsrp 1
  authentication text clsc0
  preempt delay minimum 180
  priority 10 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.152.1

interface Vlan161
  no shutdown
  ip address 192.168.162.4/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text clsc0
    preempt delay minimum 180
    priority 10 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.162.1

interface port-channel99
  switchport
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/1
  description 10Gig LINK to RCORE-1 T2/2
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.18/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/3
  description 10Gig LINK to RCORE-2 T2/2
  no switchport
  logging event port link-status
  no ip redirects
  ip address 192.168.10.26/30
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip ospf dead-interval 6
  ip ospf hello-interval 2
  ip ospf network point-to-point
  ip router ospf 5 area 0.0.0.0
  ip pim sparse-mode
  ip igmp version 3
  no shutdown

interface Ethernet1/5
  description to DC-ASA-2 vc1 T0/6
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 161
```

```
spanning-tree port type normal
no shutdown

interface Ethernet1/7
description to DC-ASA-2 vc2 T0/8
switchport
switchport mode trunk
switchport trunk allowed vlan 151
spanning-tree port type normal
no shutdown

interface Ethernet1/25
no switchport

interface Ethernet1/26
no switchport

interface Ethernet1/27
no switchport

interface Ethernet1/28
no switchport

interface Ethernet1/29
description RAGG-1 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet1/30
description RAGG-1 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet1/31
description RAGG-1 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet1/32
description RAGG-1 vPC Channel link
switchport
switchport mode trunk
channel-group 99 mode active
no shutdown

interface Ethernet2/1
no switchport

interface Ethernet2/2
no switchport

interface Ethernet2/3
no switchport

interface Ethernet2/4
no switchport

interface Ethernet2/5
```

```

no switchport

interface Ethernet2/6
no switchport

interface Ethernet2/7
no switchport

interface Ethernet2/8
no switchport

interface Ethernet2/9
no switchport

interface Ethernet2/10
no switchport

interface Ethernet2/11
no switchport

interface Ethernet2/12
no switchport

interface loopback0
ip address 192.168.1.12/32
ip router ospf 5 area 0.0.0.0
logging server 192.168.42.124 6
logging source-interface loopback 0
logout-warning 20
line console
exec-timeout 15
line vty
exec-timeout 15
access-class 23 in
router ospf 5
router-id 192.168.1.12
area 0.0.0.81 nssa
area 0.0.0.0 range 192.168.1.12/32
area 0.0.0.0 range 192.168.10.12/30
area 0.0.0.0 range 192.168.10.20/30
area 0.0.0.0 range 192.168.10.60/30
area 0.0.0.81 range 192.168.152.0/24
area 0.0.0.81 range 192.168.162.0/24
area 0.0.0.0 authentication message-digest
area 0.0.0.81 authentication message-digest
timers throttle spf 10 100 5000
auto-cost reference-bandwidth 10000
ip pim ssm range 232.0.0.0/8

```

RAGG-2-VDC2-RUNNING

```

!Command: show running-config
!Time: Sun Apr 24 16:53:03 2011

version 5.1(2)
hostname vdc2

feature privilege
feature tacacs+
cfs eth distribute

```

```

feature ospf
feature pim
feature udld
feature interface-vlan
feature hsrp
feature lacp
feature dhcp
feature vpc

username admin password 5 <removed>    role vdc-admin
username retail password 5 <removed>    role vdc-admin
username bart password 5 <removed>     role vdc-admin
username emc-ncm password 5 <removed>   role vdc-admin
enable secret 5 <removed>

banner motd @
WARNING:
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.
@

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf servers1
    source-interface loopback0
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.1.32/32
    20 permit ip 192.168.41.101/32 192.168.1.32/32
    30 permit ip 192.168.41.102/32 192.168.1.32/32
    40 permit ip 192.168.42.111/32 192.168.1.32/32
    50 permit ip 192.168.42.122/32 192.168.1.32/32
    60 permit ip 192.168.42.131/32 192.168.1.32/32
    70 permit ip 192.168.42.133/32 192.168.1.32/32
    80 permit ip 192.168.42.138/32 192.168.1.32/32
    90 permit ip 10.19.151.99/32 192.168.1.32/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.1.32/32
    20 deny ip any any
snmp-server user admin vdc-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail vdc-admin auth md5 <removed> priv <removed> localizedkey
aaa authentication login default group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

```

```
vrf context VPC
vrf context servers1
    ip route 0.0.0.0/0 192.168.36.3
    ip pim ssm range 232.0.0.0/8
vrf context servers2
    ip pim ssm range 232.0.0.0/8
vrf context management
vlan 1
vlan 36
    name DeviceMgmtHigh
vlan 37
    name DeviceMgmtLow
vlan 38
    name UIM-OS-INSTALL
vlan 40-41
vlan 42
    name CoreManagement
vlan 43
    name WirelessSystems
vlan 44
    name PhysicalSec
vlan 45
    name VOICE
vlan 52
    name POS
vlan 151-152,154,161-162,164,180-181
spanning-tree domain 777
ip prefix-list VLAN41 seq 5 permit 192.168.41.0/24
route-map VLAN41 permit 20
    match ip address prefix-list VLAN41
service dhcp
ip dhcp relay
vpc domain 99
    peer-keepalive destination 192.168.10.65 source 192.168.10.66 vrf VPC

interface Vlan1
    no ip redirects
    no shutdown

interface Vlan36
    vrf member servers1
    no ip redirects
    ip address 192.168.36.4/24
    ip ospf passive-interface
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
    ip igmp version 3
    hsrp 2
        authentication text clsc0
        preempt delay minimum 180
        priority 105 forwarding-threshold lower 0 upper 0
        timers 1 3
        ip 192.168.36.1
    no shutdown
    description DeviceMgmtHigh

interface Vlan37
    vrf member servers1
    no ip redirects
    ip address 192.168.37.4/24
    ip ospf passive-interface
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
```



```
ip igmp version 3
hsrp 2
  authentication text clsc0
  preempt delay minimum 180
  priority 105 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.37.1
no shutdown
description DeviceMgmtLow

interface Vlan38
vrf member servers1
no ip redirects
ip address 192.168.38.202/24
ip ospf passive-interface
ip router ospf 5 area 0.0.0.81
ip pim sparse-mode
ip igmp version 3
no shutdown
description UIM OS Install only

interface Vlan40
vrf member servers1
no ip redirects
ip address 192.168.40.4/24
ip ospf passive-interface
ip router ospf 5 area 0.0.0.81
ip pim sparse-mode
ip igmp version 3
hsrp 2
  authentication text clsc0
  preempt delay minimum 180
  priority 105 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.40.1
no shutdown

interface Vlan41
vrf member servers1
ip address 192.168.41.4/24
ip ospf passive-interface
ip router ospf 5 area 0.0.0.81
ip pim sparse-mode
ip igmp version 3
hsrp 2
  authentication text clsc0
  preempt delay minimum 180
  priority 90 forwarding-threshold lower 1 upper 1
  timers 1 3
  ip 192.168.41.1
shutdown
description SHUTDOWN - NOW ROUTE VIA HyTrust

interface Vlan42
vrf member servers1
no ip redirects
ip address 192.168.42.4/24
ip ospf passive-interface
ip router ospf 5 area 0.0.0.81
ip pim sparse-mode
ip igmp version 3
hsrp 2
  authentication text clsc0
  preempt delay minimum 180
```

```
        priority 105 forwarding-threshold lower 0 upper 0
        timers 1 3
        ip 192.168.42.1
    no shutdown

interface Vlan43
    vrf member servers1
    no ip redirects
    ip address 192.168.43.4/24
    ip ospf passive-interface
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
    ip igmp version 3
    hsrp 2
        authentication text cisc0
        preempt delay minimum 180
        priority 105 forwarding-threshold lower 0 upper 0
        timers 1 3
        ip 192.168.43.1
    no shutdown
    description Wireless Systems

interface Vlan44
    vrf member servers1
    no ip redirects
    ip address 192.168.44.4/24
    ip ospf passive-interface
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
    ip igmp version 3
    hsrp 2
        authentication text cisc0
        preempt delay minimum 180
        priority 105 forwarding-threshold lower 0 upper 0
        timers 1 3
        ip 192.168.44.1
    no shutdown
    description Wireless Systems

interface Vlan45
    vrf member servers1
    no ip redirects
    ip address 192.168.45.4/24
    ip ospf passive-interface
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
    ip igmp version 3
    hsrp 2
        authentication text cisc0
        preempt delay minimum 180
        priority 105 forwarding-threshold lower 0 upper 0
        timers 1 3
        ip 192.168.45.1
    no shutdown
    description VOICE

interface Vlan52
    vrf member servers1
    no ip redirects
    ip address 192.168.52.4/24
    ip ospf passive-interface
    ip router ospf 5 area 0.0.0.81
    ip pim sparse-mode
    ip igmp version 3
```

```
hsrp 2
  authentication text clsc0
  preempt delay minimum 180
  priority 105 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.52.1
no shutdown
description POS

interface Vlan154
  vrf member servers2
  no ip redirects
  ip address 192.168.152.6/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 120 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.152.7
no shutdown

interface Vlan164
  vrf member servers1
  no ip redirects
  ip address 192.168.162.6/24
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 3 <removed>
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 2
    authentication text clsc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.162.7
no shutdown

interface Vlan180
  vrf member servers1
  no ip redirects
  ip address 192.168.180.4/24
  ip ospf passive-interface
  ip router ospf 5 area 0.0.0.81
  ip pim sparse-mode
  ip igmp version 3
  hsrp 1
    authentication text clsc0
    preempt delay minimum 180
    priority 110 forwarding-threshold lower 0 upper 0
    timers 1 3
    ip 192.168.180.1
no shutdown

interface Vlan181
  vrf member servers2
  no ip redirects
  ip address 192.168.181.4/24
  ip ospf passive-interface
```

```
ip router ospf 5 area 0.0.0.81
ip pim sparse-mode
ip igmp version 3
hsrp 1
  authentication text clsc0
  preempt delay minimum 180
  priority 120 forwarding-threshold lower 0 upper 0
  timers 1 3
  ip 192.168.181.1
no shutdown

interface port-channel1
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-42,44
vpc 1

interface port-channel2
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-42,44
vpc 2

interface port-channel3
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
vpc 3

interface port-channel4
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
vpc 4

interface port-channel11
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
spanning-tree port type edge trunk
vpc 11

interface port-channel12
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
spanning-tree port type edge trunk
vpc 12

interface port-channel99
switchport
switchport mode trunk
switchport trunk allowed vlan 36-52
spanning-tree port type network
spanning-tree guard loop
vpc peer-link

interface Ethernet1/2
description F-UCS-1_E2/1 vPC Channel link
switchport
switchport mode trunk
switchport trunk allowed vlan 38,41,45-46
channel-group 11 mode active
no shutdown
```

```
interface Ethernet1/4
  description F-UCS-1_E2/2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  spanning-tree port type normal
  channel-group 11 mode active
  no shutdown

interface Ethernet1/6
  description F-UCS-2_E2/1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 12 mode active
  no shutdown

interface Ethernet1/8
  description F-UCS-2_E2/2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41,45-46
  channel-group 12 mode active
  no shutdown

interface Ethernet1/9
  description SACCESS-3 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 3 mode active
  no shutdown

interface Ethernet1/10
  description SACCESS-3 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 3 mode active
  no shutdown

interface Ethernet1/11
  description SACCESS-4 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 4 mode active
  no shutdown

interface Ethernet1/12
  description SACCESS-4 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  channel-group 4 mode active
  no shutdown

interface Ethernet1/13
  description SACCESS-1 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  channel-group 1 mode active
```

```
no shutdown

interface Ethernet1/14
  description SACCESS-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 38,41-42,44
  channel-group 2 mode active
  no shutdown

interface Ethernet1/15
  no switchport

interface Ethernet1/16
  no switchport

interface Ethernet1/17
  description to RSERV-2 T2/6
  switchport
  switchport mode trunk
  spanning-tree port type normal
  no shutdown

interface Ethernet1/18
  description to RSERV-2 T2/5
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 42,164
  no shutdown

interface Ethernet1/19
  description to DC-ASA-2 vc1 T5/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 152
  spanning-tree port type normal
  no shutdown

interface Ethernet1/20
  description to DC-ASA-2 vc2 T7/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 152
  spanning-tree port type normal
  no shutdown

interface Ethernet1/21
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/22
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  udld aggressive
  channel-group 99 mode active
  no shutdown
```

```
interface Ethernet1/23
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  uddl aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet1/24
  description RAGG-2 vPC Channel link
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 36-52
  uddl aggressive
  channel-group 99 mode active
  no shutdown

interface Ethernet2/13
  description SACCESS-5 vPC Channel link
  switchport
  switchport mode trunk

interface Ethernet2/14
  description linkstate for vpc
  no switchport
  vrf member VPC
  ip address 192.168.10.66/30
  no shutdown

interface Ethernet2/15
  no switchport

interface Ethernet2/16
  no switchport

interface Ethernet2/17
  no switchport

interface Ethernet2/18
  no switchport

interface Ethernet2/19
  no switchport

interface Ethernet2/20
  no switchport

interface Ethernet2/21
  no switchport

interface Ethernet2/22
  no switchport

interface Ethernet2/23
  no switchport

interface Ethernet2/24
  no switchport

interface Ethernet2/25
  no switchport

interface Ethernet2/26
```

```
no switchport

interface Ethernet2/27
no switchport

interface Ethernet2/28
no switchport

interface Ethernet2/29
no switchport

interface Ethernet2/30
no switchport

interface Ethernet2/31
no switchport

interface Ethernet2/32
no switchport

interface Ethernet2/33
no switchport

interface Ethernet2/34
no switchport

interface Ethernet2/35
no switchport

interface Ethernet2/36
no switchport

interface Ethernet2/37
no switchport

interface Ethernet2/38
no switchport

interface Ethernet2/39
no switchport

interface Ethernet2/40
no switchport

interface Ethernet2/41
no switchport

interface Ethernet2/42
no switchport

interface Ethernet2/43
no switchport

interface Ethernet2/44
no switchport

interface Ethernet2/45
no switchport

interface Ethernet2/46
no switchport

interface Ethernet2/47
no switchport
```



```

interface Ethernet2/48
  no switchport

interface loopback0
  vrf member servers1
  ip address 192.168.1.32/32
  ip router ospf 5 area 0.0.0.81
logging server 192.168.42.124 6 use-vrf servers1
logging source-interface loopback 0
  logout-warning 20
line console
  exec-timeout 15
line vty
  exec-timeout 15
  access-class 23 in
router ospf 5
  vrf servers1
    router-id 4.4.4.2
    area 0.0.0.81 nssa
    area 0.0.0.81 range 192.168.0.0/16
    area 0.0.0.81 range 192.168.162.0/24
    area 0.0.0.81 authentication message-digest
    timers throttle spf 10 100 5000
  vrf servers2
    router-id 5.5.5.2
    area 0.0.0.81 nssa
    area 0.0.0.81 range 192.168.0.0/16
    area 0.0.0.81 range 192.168.152.0/24
    area 0.0.0.81 authentication message-digest
    timers throttle spf 10 100 5000
ip pim ssm range 232.0.0.0/8

```

N1KV-1-RUNNING

```

!Command: show running-config
!Time: Sat Apr 30 03:02:54 2011

version 4.2(1)SV1(4)
no feature telnet
feature tacacs+

username admin password 5 <removed>   role network-admin
username retail password 5 <removed>   role network-admin

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

```

```
ssh key rsa 2048
ip domain-lookup
ip domain-lookup
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
aaa group server tacacs+ tacacs
hostname Nlkv-1
ip access-list 23
    10 permit ip 192.168.42.0/24 any
    20 permit ip any any
    30 deny ip any any
ip access-list 88
    10 permit ip 192.168.42.0/24 any
    20 permit ip any any
    30 deny ip any any
vem 3
    host vmware id 414e3537-3441-3255-5838-34353034544b
vem 4
    host vmware id 414e3537-3441-3255-5838-34353034544d
vem 5
    host vmware id 414e3537-3441-3255-5838-333930345046
vem 6
    host vmware id 414e3537-3441-3255-5838-34353034544c
vem 7
    host vmware id 414e3537-3441-3255-5838-333930344e59
vem 8
    host vmware id 414e3537-3441-3255-5838-333830333330
vem 9
    host vmware id 414e3537-3441-3255-5838-333930345057
vem 10
    host vmware id 414e3537-3441-3255-5838-343530345630
vem 11
    host vmware id 414e3537-3441-3255-5838-343530345448
vem 12
    host vmware id 414e3537-3441-3255-5838-333930345048
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
ntp source 192.168.41.61
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS

vrf context management
    ip route 0.0.0.0/0 192.168.41.1
vlan 1
vlan 36
    name VLAN36
vlan 37
    name VLAN37
vlan 38
    name VLAN38
vlan 39
    name VLAN39
vlan 40
    name VLAN40
vlan 41
    name VLAN41
vlan 42
```

```
name VLAN42
vlan 43
name VLAN43
vlan 44
name VLAN44
vlan 45
name VLAN45
vlan 46
name VLAN46
vlan 52
name VLAN52
vlan 64
name VLAN64
vlan 72
name VLAN72
vlan 80
name VLAN80
vlan 81
name VLAN81
vlan 82
name VLAN82
vlan 83
name VLAN83
port-channel load-balance ethernet source-mac
port-profile default max-ports 32
port-profile type vethernet VLAN38
vmware port-group
switchport mode access
switchport access vlan 38
no shutdown
state enabled
port-profile type vethernet VLAN36
vmware port-group
switchport mode access
switchport access vlan 36
no shutdown
state enabled
port-profile type vethernet VLAN37
vmware port-group
switchport mode access
switchport access vlan 37
no shutdown
state enabled
port-profile type vethernet VLAN39
vmware port-group
switchport mode access
switchport access vlan 39
no shutdown
state enabled
port-profile type vethernet VLAN40
vmware port-group
switchport mode access
switchport access vlan 40
no shutdown
state enabled
port-profile type vethernet VLAN41
vmware port-group
switchport mode access
switchport access vlan 41
no shutdown
system vlan 41
state enabled
port-profile type vethernet VLAN42
vmware port-group
```

```
switchport mode access
switchport access vlan 42
no shutdown
state enabled
port-profile type vethernet VLAN43
vmware port-group
switchport mode access
switchport access vlan 43
no shutdown
state enabled
port-profile type vethernet VLAN44
vmware port-group
switchport mode access
switchport access vlan 44
no shutdown
state enabled
port-profile type vethernet VLAN45
vmware port-group
switchport mode access
switchport access vlan 45
no shutdown
state enabled
port-profile type vethernet VLAN46
vmware port-group
switchport mode access
switchport access vlan 46
no shutdown
state enabled
port-profile type vethernet VLAN52
vmware port-group
switchport mode access
switchport access vlan 52
no shutdown
state enabled
port-profile type vethernet VLAN64
vmware port-group
switchport mode access
switchport access vlan 64
no shutdown
state enabled
port-profile type vethernet VLAN72
vmware port-group
switchport mode access
switchport access vlan 72
no shutdown
state enabled
port-profile type vethernet VLAN80
vmware port-group
switchport mode access
switchport access vlan 80
no shutdown
state enabled
port-profile type vethernet VLAN81
vmware port-group
switchport mode access
switchport access vlan 81
no shutdown
state enabled
port-profile type vethernet VLAN82
vmware port-group
switchport mode access
switchport access vlan 82
no shutdown
state enabled
```

```
port-profile type vethernet VLAN83
  vmware port-group
  switchport mode access
  switchport access vlan 83
  no shutdown
  state enabled
port-profile type ethernet Unused_Or_Quarantine_Uplink
  vmware port-group
  shutdown
  description Port-group created for Nexus1000V internal usage. Do not use.
  state enabled
port-profile type vethernet Unused_Or_Quarantine_Veth
  vmware port-group
  shutdown
  description Port-group created for Nexus1000V internal usage. Do not use.
  state enabled
port-profile type ethernet sysuplink
  vmware port-group
  switchport mode trunk
  switchport trunk allowed vlan 36-83
  no shutdown
  system vlan 41
  state enabled
port-profile type vethernet VSG-DADA-HA
  vmware port-group
  switchport access vlan 41
  no shutdown
  state enabled
port-profile type vethernet Tenant-1
  vmware port-group
  org root/Tenant-1
  vn-service ip-address 192.168.52.11 vlan 52 security-profile SecurityProfile-1
  switchport mode access
  switchport access vlan 41
  no shutdown
  state enabled

vdc Nlkv-1 id 1
  limit-resource vlan minimum 16 maximum 2049
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource vrf minimum 16 maximum 8192
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 58 maximum 58
  limit-resource m6route-mem minimum 8 maximum 8

interface mgmt0
  ip address 192.168.41.61/24

interface Vethernet3
  inherit port-profile VLAN42
  description RSA-Archer,Network Adapter 1
  vmware dvport 207 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
  vmware vm mac 0050.56BB.001E

interface Vethernet5
  inherit port-profile VSG-DADA-HA
  description Nexus1000VSG,Network Adapter 3
  vmware dvport 1057 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
  vmware vm mac 0050.56BB.0004

interface Vethernet6
  inherit port-profile VSG-DADA-HA
```

```

description Nexus1000VSG,Network Adapter 1
vmware dvport 1056 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
vmware vm mac 0050.56BB.0002

interface Vethernet7
inherit port-profile VLAN52
description POS Terminal,Network Adapter 1
vmware dvport 352 dvswitch uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0"
vmware vm mac 0050.56BB.0005

interface control0
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
line vty
exec-timeout 15
line console
exec-timeout 15
boot kickstart bootflash:/nexus-1000v-kickstart-mz.4.2.1.SV1.4.bin sup-1
boot system bootflash:/nexus-1000v-mz.4.2.1.SV1.4.bin sup-1
boot kickstart bootflash:/nexus-1000v-kickstart-mz.4.2.1.SV1.4.bin sup-2
boot system bootflash:/nexus-1000v-mz.4.2.1.SV1.4.bin sup-2
svs-domain
domain id 2
control vlan 41
packet vlan 41
svs mode L2
svs connection vc
protocol vmware-vim
remote ip address 192.168.41.102 port 80
vmware dvs uuid "f9 31 3b 50 f5 23 1c a3-34 b1 f1 a6 d6 24 6c c0" datacenter-name Retail
Lab-CMO
connect
vnm-policy-agent
registration-ip 192.168.41.65
shared-secret *****
policy-agent-image bootflash:/vnmc-vsmpa.1.0.1j.bin
log-level
logging server 192.168.42.124 7 facility syslog
logging timestamp milliseconds

```

VSG-TENANT-1-RUNNING

```

!Command: show running-config
!Time: Sat Apr 30 03:09:08 2011

version 4.2(1)VSG1(1)
no feature telnet
feature tacacs+

username admin password 5 <removed> role network-admin

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
           **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT

```

FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.
#

```
ssh key rsa 2048
ip domain-lookup
ip domain-lookup
tacacs-server key 7 " <removed> "
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
aaa group server tacacs+ tacacs
hostname VSG-Tenant-1
no snmp-server protocol enable
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
ntp source 192.168.41.63
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS

vrf context management
    ip domain-name cisco-irn.com
    ip name-server 192.168.42.130
    ip route 0.0.0.0/0 192.168.41.1
vlan 1
port-channel load-balance ethernet source-mac
port-profile default max-ports 32

vdc VSG-Tenant-1 id 1
    limit-resource vlan minimum 16 maximum 2049
    limit-resource monitor-session minimum 0 maximum 2
    limit-resource vrf minimum 16 maximum 8192
    limit-resource port-channel minimum 0 maximum 768
    limit-resource u4route-mem minimum 32 maximum 32
    limit-resource u6route-mem minimum 16 maximum 16
    limit-resource m4route-mem minimum 58 maximum 58
    limit-resource m6route-mem minimum 8 maximum 8

interface mgmt0
    ip address 192.168.41.63/24

interface data0
    ip address 192.168.52.11/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
line vty
    exec-timeout 15
line console
    exec-timeout 15
boot kickstart bootflash:/nexus-1000v-kickstart-mz.VSG1.1.bin sup-1
boot system bootflash:/nexus-1000v-mz.VSG1.1.bin sup-1
boot kickstart bootflash:/nexus-1000v-kickstart-mz.VSG1.1.bin sup-2
boot system bootflash:/nexus-1000v-mz.VSG1.1.bin sup-2
ip access-list match-local-traffic
    ha-pair id 41

security-profile SecurityProfile-1@root/Tenant-1
    policy PolicySet-A@root/Tenant-1
    custom-attribute vnsporg "root/tenant-1"
```

```

security-profile default@root
  policy default@root
    custom-attribute vnsporg "root"
rule default/default-rule@root
  action 10 drop
rule PolicyA/allow_ICMP@root/Tenant-1
  condition 10 dst.net.ip-address eq 192.168.1.1
  condition 11 net.protocol eq 1
  action 10 log
  action 11 permit
policy default@root
  rule default/default-rule@root order 2
policy PolicySet-A@root/Tenant-1
  rule PolicyA/allow_ICMP@root/Tenant-1 order 101
vnm-policy-agent
  registration-ip 192.168.41.65
  shared-secret *****
  policy-agent-image bootflash:/vnmc-vsgpa.1.0.1j.bin
  log-level
logging logfile messages 2
logging server 192.168.42.124 6 facility local0
logging monitor 2

```

RSERV-1

```

!
! Last configuration change at 01:53:06 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:53:07 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RSERV-1
!
boot-start-marker
boot system flash sup-bootdisk:/s72033-adventerprisek9_wan-mz.122-33.SXJ.bin
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local

```



```
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
svcl module 4 vlan-group 162,163
svcl vlan-group 162 152,162
svcl vlan-group 163 153,163
intrusion-detection module 9 management-port access-vlan 42
intrusion-detection module 9 data-port 1 trunk allowed-vlan 153,154
intrusion-detection module 9 data-port 2 trunk allowed-vlan 163,164
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable
no ip domain-lookup
ip domain-name cisco-irn.com
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain datacenter
vtp mode transparent
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1027
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1027
  revocation-check none
  rsakeypair TP-self-signed-1027
!
!
crypto pki certificate chain TP-self-signed-1027
  certificate self-signed 01
    <removed>
  quit
!
!
!
!
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
```

```
!  
spanning-tree mode pvst  
!  
no power enable module 8  
diagnostic bootup level minimal  
access-list 23 permit 192.168.41.101 log  
access-list 23 permit 192.168.41.102 log  
access-list 23 permit 192.168.42.111 log  
access-list 23 permit 192.168.42.122 log  
access-list 23 permit 192.168.42.124 log  
access-list 23 permit 127.0.0.1 log  
access-list 23 permit 192.168.42.131 log  
access-list 23 permit 192.168.42.133 log  
access-list 23 permit 192.168.42.138 log  
access-list 23 permit 10.19.151.99 log  
access-list 23 deny any log  
access-list 88 permit 192.168.42.124 log  
access-list 88 deny any log  
!  
redundancy  
main-cpu  
auto-sync running-config  
mode sso  
!  
!  
vlan internal allocation policy descending  
vlan dot1q tag native  
vlan access-log ratelimit 2000  
!  
vlan 41  
name DeviceManagementHTA  
!  
vlan 42  
name DeviceManagement  
!  
vlan 43  
name WIRELESS-CONTROL  
!  
vlan 44  
name PhysicalSec  
!  
vlan 47  
name WAAS_Central_Manager  
!  
vlan 49  
name WAAS_DC  
!  
vlan 152  
name NorthSide_facing_ASA_Servers2  
!  
vlan 153  
name ACE_to_IDS_Servers2  
!  
vlan 154  
name SouthSide_facing_Servers2  
!  
vlan 162  
name NorthSide_facing_ASA_Servers1  
!  
vlan 163  
name ACE_to_IDS_Servers1  
!  
vlan 164  
name SouthSide_facing_Servers1
```

```
!  
vlan 803  
    name RSERV-1_to_RAGG-1-VDC-2  
!  
vlan 1000  
!  
!  
!  
!  
interface Loopback0  
    ip address 192.168.1.21 255.255.255.255  
!  
interface Loopback62  
    ip address 192.168.62.161 255.255.255.255  
!  
interface GigabitEthernet1/1  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/2  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/3  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/4  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/5  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/6  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/7  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/8  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/9  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/10  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/11  
    no ip address  
    shutdown  
!  
interface GigabitEthernet1/12  
    no ip address  
    shutdown  
!
```

```
interface GigabitEthernet1/13
  no ip address
  shutdown
!
interface GigabitEthernet1/14
  no ip address
  shutdown
!
interface GigabitEthernet1/15
  no ip address
  shutdown
!
interface GigabitEthernet1/16
  no ip address
  shutdown
!
interface TenGigabitEthernet2/1
  description to RAGG-1 vdc2 T1/15
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 162
  switchport mode trunk
!
interface TenGigabitEthernet2/2
  description to RAGG-1 vdc2 T1/16
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 152
  switchport mode trunk
!
interface TenGigabitEthernet2/3
  no ip address
  shutdown
!
interface TenGigabitEthernet2/4
  no ip address
  shutdown
!
interface TenGigabitEthernet2/5
  description to RAGG-1 vdc2 T1/17
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 41-44,164,803
  switchport mode trunk
!
interface TenGigabitEthernet2/6
  description to RAGG-1 vdc2 T1/18
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 154
  switchport mode trunk
!
interface TenGigabitEthernet2/7
  no ip address
  shutdown
!
interface TenGigabitEthernet2/8
  no ip address
  shutdown
!
interface GigabitEthernet5/1
  no ip address
  shutdown
!
```

```
interface GigabitEthernet5/2
  no ip address
  shutdown
!
interface GigabitEthernet6/1
  no ip address
  shutdown
!
interface GigabitEthernet6/2
  no ip address
  shutdown
!
interface GigabitEthernet7/1
  no ip address
  shutdown
!
interface GigabitEthernet7/2
  no ip address
  shutdown
!
interface GigabitEthernet7/3
  no ip address
!
interface GigabitEthernet7/4
  no ip address
!
interface GigabitEthernet7/5
  no ip address
!
interface GigabitEthernet7/6
  no ip address
!
interface GigabitEthernet7/7
  no ip address
!
interface GigabitEthernet7/8
  no ip address
!
interface GigabitEthernet7/9
  no ip address
!
interface GigabitEthernet7/10
  no ip address
!
interface GigabitEthernet7/11
  no ip address
!
interface GigabitEthernet7/12
  no ip address
!
interface GigabitEthernet7/13
  no ip address
!
interface GigabitEthernet7/14
  no ip address
!
interface GigabitEthernet7/15
  no ip address
!
interface GigabitEthernet7/16
  no ip address
!
interface GigabitEthernet7/17
  description WAAS Central Manager
```

```
switchport
switchport access vlan 47
switchport mode access
!
interface GigabitEthernet7/18
no ip address
!
interface GigabitEthernet7/19
no ip address
!
interface GigabitEthernet7/20
no ip address
!
interface GigabitEthernet7/21
description AW-DC-1_G1
switchport
switchport access vlan 43
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/22
description AW-DC-2_G1
switchport
switchport access vlan 43
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/23
description MDS Management PAME-DC-1
switchport
switchport access vlan 44
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/24
description MDS Management MDS-DC-1_M0
switchport
switchport access vlan 41
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/25
description MDS Management MDS-DC-2_M0
switchport
switchport access vlan 41
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/26
no ip address
!
interface GigabitEthernet7/27
description ASA-WAN-1_M0
switchport
switchport access vlan 42
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/28
no ip address
!
interface GigabitEthernet7/29
description MSE-DC-1_G1
switchport
```

```
switchport access vlan 43
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/30
description MSE-DC-2_G1
switchport
switchport access vlan 43
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/31
no ip address
!
interface GigabitEthernet7/32
no ip address
!
interface GigabitEthernet7/33
description RSA enVision
switchport
switchport access vlan 42
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/34
no ip address
!
interface GigabitEthernet7/35
description WAE-DC-1
switchport
switchport access vlan 49
switchport mode access
!
interface GigabitEthernet7/36
no ip address
!
interface GigabitEthernet7/37
no ip address
!
interface GigabitEthernet7/38
no ip address
!
interface GigabitEthernet7/39
no ip address
!
interface GigabitEthernet7/40
no ip address
!
interface GigabitEthernet7/41
no ip address
!
interface GigabitEthernet7/42
no ip address
!
interface GigabitEthernet7/43
no ip address
!
interface GigabitEthernet7/44
no ip address
!
interface GigabitEthernet7/45
description hard crossover bridge
no ip address
shutdown
```

```

!
interface GigabitEthernet7/46
  no ip address
!
interface GigabitEthernet7/47
  no ip address
  shutdown
!
interface GigabitEthernet7/48
  no ip address
  shutdown
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan803
  description ** South Side facing Servers1 **
  ip address 192.168.130.10 255.255.255.252
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 7 <removed>
  ip ospf priority 0
!
router ospf 5
  router-id 192.168.1.21
  log-adjacency-changes
  area 81 authentication message-digest
  area 81 nssa
  area 81 range 192.168.0.0 255.255.0.0
  timers throttle spf 10 100 5000
  passive-interface default
  no passive-interface Vlan803
  network 192.168.0.0 0.0.255.255 area 81
!
ip classless
no ip forward-protocol nd
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold

```



```

snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

```

```

!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
ntp source Loopback0
ntp master 5
ntp update-calendar
ntp server 171.68.10.150
ntp server 171.68.10.80 prefer
mac-address-table aging-time 480
!
end

```

RSERV-2

```

!
! Last configuration change at 01:50:12 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:50:13 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RSERV-2
!
boot-start-marker
boot-end-marker
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>

```

```

!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
svclm module 4 vlan-group 162,163
svclm vlan-group 162 152,162
svclm vlan-group 163 153,163
intrusion-detection module 9 management-port access-vlan 42
intrusion-detection module 9 data-port 1 trunk allowed-vlan 153,154
intrusion-detection module 9 data-port 2 trunk allowed-vlan 163,164
ip wccp 61
ip wccp 62
!
!
!
no ip bootp server
ip multicast-routing
ip ssh version 2
ip scp server enable
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 mfib hardware-switching replication-mode ingress
vtp domain CiscoRetail
vtp mode transparent
no mls acl tcam share-global
mls netflow interface
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1027
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1027
  revocation-check none
  rsa-keypair TP-self-signed-1027
!
!
crypto pki certificate chain TP-self-signed-1027
  certificate self-signed 01
    30820241 308201AA A0030201 02020101 300D0609 2A864886 F70D0101 04050030
    2B312930 27060355 04031320 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 31303237 301E170D 31313034 32313030 30353139 5A170D32
    30303130 31303030 3030305A 302B3129 30270603 55040313 20494F53 2D53656C

```

```

662D5369 676E6564 2D436572 74696669 63617465 2D313032 3730819F 300D0609
2A864886 F70D0101 01050003 818D0030 81890281 8100A365 80CA486A 1FCC3F72
4B6DDFE1 AA57CE0A 4726554C B0D6B6F3 BC9F3F3A 84AAD96D 0C8D4E07 3E5C42FD
2AB0BA8A 1E5E28AE BDA4FE3A F1A425A6 2D2F09E0 3DC30109 F4561A9B EADC4896
87FD5133 4FEAFA2F C214CB35 11B7AEB6 F0C3DE4F 4453DA89 6177A6D3 9FDA59BA
EE11414E 008C40A8 FF768B0D 0CE97204 82FB71C6 10C30203 010001A3 75307330
0F060355 1D130101 FF040530 030101FF 30200603 551D1104 19301782 15525345
52562D32 2E636973 636F2D69 726E2E63 6F6D301F 0603551D 23041830 16801425
E9402754 9D8FF072 B2B9284C D1157536 23A79C30 1D060355 1D0E0416 041425E9
4027549D 8FF072B2 B9284CD1 15753623 A79C300D 06092A86 4886F70D 01010405
00038181 003EACB3 84C4E98F 65FE3BE2 F4984B3D 908DCF32 E89B4217 6F3444EB
E844C491 A50B817E 508BE874 E4C1FE1E 9A92EDC5 8566CC69 AB760674 E802086B
DDD7DF6A 3964355C 0F88B1AB 52E69373 D25A2877 3379ECAF A8D3DAE8 239C2708
8B1C24DF 4210091C 8C3DF041 7B10147C E399480E 6A7D00DD 64D8AD86 528815E4
7FAECE3C 2B
quit
!
!
!
!
!
!
!
archive
log config
logging enable
notify syslog contenttype plaintext
hidekeys
!
spanning-tree mode pvst
!
no power enable module 8
diagnostic bootup level minimal
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
redundancy
main-cpu
auto-sync running-config
mode sso
!
!
vlan internal allocation policy descending
vlan dot1q tag native
vlan access-log ratelimit 2000
!
vlan 41
name DeviceManagementHTA
!
vlan 42
name DeviceManagement
!
vlan 43

```

```
    name WIRELESS-CONTROL
    !
vlan 44
    name PhysicalSec
    !
vlan 47
    name WAAS_Central_Manager
    !
vlan 49
    name WAAS_DC
    !
vlan 152
    name NorthSide_facing_ASA_Servers2
    !
vlan 153
    name ACE_to_IDS_Servers2
    !
vlan 154
    name SouthSide_facing_Servers2
    !
vlan 162
    name NorthSide_facing_ASA_Servers1
    !
vlan 163
    name ACE_to_IDS_Servers1
    !
vlan 164
    name SouthSide_facing_Servers1
    !
vlan 804
    name RSERV-2_to_RAGG-2-VDC-2
    !
vlan 1000
    !
    !
    !
    !
    !
interface Loopback0
    ip address 192.168.1.22 255.255.255.255
    !
interface Loopback62
    ip address 192.168.62.162 255.255.255.255
    !
interface GigabitEthernet1/1
    no ip address
    shutdown
    !
interface GigabitEthernet1/2
    no ip address
    shutdown
    !
interface GigabitEthernet1/3
    no ip address
    shutdown
    !
interface GigabitEthernet1/4
    no ip address
    shutdown
    !
interface GigabitEthernet1/5
    no ip address
    shutdown
    !
```

```
interface GigabitEthernet1/6
  no ip address
  shutdown
!
interface GigabitEthernet1/7
  no ip address
  shutdown
!
interface GigabitEthernet1/8
  no ip address
  shutdown
!
interface GigabitEthernet1/9
  no ip address
  shutdown
!
interface GigabitEthernet1/10
  no ip address
  shutdown
!
interface GigabitEthernet1/11
  no ip address
  shutdown
!
interface GigabitEthernet1/12
  no ip address
  shutdown
!
interface GigabitEthernet1/13
  no ip address
  shutdown
!
interface GigabitEthernet1/14
  no ip address
  shutdown
!
interface GigabitEthernet1/15
  no ip address
  shutdown
!
interface GigabitEthernet1/16
  no ip address
  shutdown
!
interface TenGigabitEthernet2/1
  description to RAGG-2 vdc2 T1/15
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 162
  switchport mode trunk
!
interface TenGigabitEthernet2/2
  description to RAGG-2 vdc2 T1/16
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 152
  switchport mode trunk
!
interface TenGigabitEthernet2/3
  no ip address
  shutdown
!
interface TenGigabitEthernet2/4
  no ip address
```

```
shutdown
!
interface TenGigabitEthernet2/5
description to RAGG-2 vdc2 T1/18
switchport
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 41-44,164,804
switchport mode trunk
!
interface TenGigabitEthernet2/6
description to RAGG-2 vdc2 T1/17
switchport
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 154
switchport mode trunk
!
interface TenGigabitEthernet2/7
no ip address
shutdown
!
interface TenGigabitEthernet2/8
no ip address
shutdown
!
interface GigabitEthernet5/1
no ip address
shutdown
!
interface GigabitEthernet5/2
no ip address
shutdown
!
interface GigabitEthernet6/1
no ip address
shutdown
!
interface GigabitEthernet6/2
no ip address
shutdown
!
interface GigabitEthernet7/1
switchport
switchport access vlan 42
!
interface GigabitEthernet7/2
no ip address
!
interface GigabitEthernet7/3
no ip address
!
interface GigabitEthernet7/4
no ip address
!
interface GigabitEthernet7/5
description WAE-DC-2
switchport
switchport access vlan 48
switchport mode access
!
interface GigabitEthernet7/6
no ip address
!
interface GigabitEthernet7/7
no ip address
```

```
!  
interface GigabitEthernet7/8  
  no ip address  
!  
interface GigabitEthernet7/9  
  no ip address  
!  
interface GigabitEthernet7/10  
  no ip address  
!  
interface GigabitEthernet7/11  
  no ip address  
!  
interface GigabitEthernet7/12  
  no ip address  
!  
interface GigabitEthernet7/13  
  no ip address  
!  
interface GigabitEthernet7/14  
  no ip address  
!  
interface GigabitEthernet7/15  
  no ip address  
!  
interface GigabitEthernet7/16  
  no ip address  
!  
interface GigabitEthernet7/17  
  no ip address  
!  
interface GigabitEthernet7/18  
  no ip address  
!  
interface GigabitEthernet7/19  
  no ip address  
!  
interface GigabitEthernet7/20  
  no ip address  
!  
interface GigabitEthernet7/21  
  no ip address  
!  
interface GigabitEthernet7/22  
  no ip address  
!  
interface GigabitEthernet7/23  
  description PAME-DC-1  
  switchport  
  switchport access vlan 44  
  switchport mode access  
!  
interface GigabitEthernet7/24  
  no ip address  
!  
interface GigabitEthernet7/25  
  no ip address  
!  
interface GigabitEthernet7/26  
  no ip address  
!  
interface GigabitEthernet7/27  
  description ASA-WAN-2_M0  
  switchport
```



```
switchport access vlan 42
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet7/28
no ip address
!
interface GigabitEthernet7/29
no ip address
!
interface GigabitEthernet7/30
no ip address
!
interface GigabitEthernet7/31
no ip address
!
interface GigabitEthernet7/32
no ip address
!
interface GigabitEthernet7/33
no ip address
!
interface GigabitEthernet7/34
no ip address
!
interface GigabitEthernet7/35
no ip address
!
interface GigabitEthernet7/36
no ip address
!
interface GigabitEthernet7/37
no ip address
!
interface GigabitEthernet7/38
no ip address
!
interface GigabitEthernet7/39
no ip address
!
interface GigabitEthernet7/40
no ip address
!
interface GigabitEthernet7/41
no ip address
!
interface GigabitEthernet7/42
no ip address
!
interface GigabitEthernet7/43
no ip address
!
interface GigabitEthernet7/44
no ip address
!
interface GigabitEthernet7/45
no ip address
!
interface GigabitEthernet7/46
no ip address
!
interface GigabitEthernet7/47
no ip address
!
```

```

interface GigabitEthernet7/48
  no ip address
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan42
  ip address 192.168.42.47 255.255.255.0
!
interface Vlan804
  description ** South Side facing Servers1 **
  ip address 192.168.130.14 255.255.255.252
  ip ospf authentication message-digest
  ip ospf message-digest-key 1 md5 7 <removed>
  ip ospf priority 0
!
router ospf 5
  router-id 192.168.1.22
  log-adjacency-changes
  area 81 authentication message-digest
  area 81 nssa
  area 81 range 192.168.0.0 255.255.0.0
  timers throttle spf 10 100 5000
  passive-interface default
  no passive-interface Vlan804
  network 192.168.0.0 0.0.255.255 area 81
!
ip classless
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.42.1 255 name backup_default
!
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Loopback0
!
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps MAC-Notification change move threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise

```

```

snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec C
WARNING:
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           **** AUTHORIZED USERS ONLY! ****

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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
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banner login C
WARNING:
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!
line con 0
  session-timeout 15  output
  exec-timeout 15 0

```

```
login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
ntp source Loopback0
ntp master 5
ntp update-calendar
ntp server 171.68.10.150
ntp server 171.68.10.80 prefer
mac-address-table aging-time 480
!
end
```

Access

SACCESS-1

```
!
! Last configuration change at 01:58:36 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:58:36 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime localtime show-timezone
service password-encryption
service compress-config
service sequence-numbers
!
hostname SACCESS-1
!
boot-start-marker
boot-end-marker
!
logging snmp-authfail
logging buffered 51200 debugging
enable secret 5 <removed>
!
username emc-ncm privilege 15 secret 5 <removed>
```

```
username retail privilege 15 secret 5 <removed> username bart privilege 15 secret 5
<removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
no ip bootp server
ip ssh version 2
ip scp server enable
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-112603
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-112603
  revocation-check none
  rsakeypair TP-self-signed-112603
!
!
crypto pki certificate chain TP-self-signed-112603
  certificate self-signed 01
    <removed>
  quit
!
!
power redundancy-mode redundant
archive
  log config
  logging enable
  hidekeys
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 20,41-43
!
vlan 44
  name PhysicalSec
!
vlan 45-50,52,62
!
vlan 64
  name Databases
```

```
!
vlan 72,146,164,256,666,1000
!
interface Loopback0
  no ip address
!
interface Port-channel1
  description to Aggregation Switches
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 38,41,42,44
  switchport mode trunk
  logging event link-status
  flowcontrol receive on
!
interface GigabitEthernet1/1
  description SRV-DC-1
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/2
  description SRV-DC-2
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 41
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/3
  description SRV-DC-3
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/4
  description SRV-DC-4
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/5
  description SRV-DC-5
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/6
  description SRV-DC-6=CUAE
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/7
  description SRV-DC-7=CCM511
  switchport access vlan 45
```

```
    spanning-tree portfast
!
interface GigabitEthernet1/8
  description SRV-DC-8 - Oracle RDBMS 10g
  switchport access vlan 64
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 64
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/9
  description MSP-DC-1
  switchport access vlan 44
  switchport trunk encapsulation dot1q
  switchport mode access
  spanning-tree portfast
!
interface GigabitEthernet1/10
  description SRV-DC-10
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/11
  description SRV-DC-11
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/12
  description SRV-DC-12
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/13
  description SRV-DC-13
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/14
  description SRV-DC-14
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
!
interface GigabitEthernet1/15
  description SRV-DC-15
  switchport access vlan 42
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 42
  switchport mode trunk
  spanning-tree portfast trunk
```

```
!  
interface GigabitEthernet1/16  
  description SRV-DC-16  
  switchport access vlan 42  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 42  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/17  
  description SRV-DC-17  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 4094  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/18  
  description SRV-DC-18  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 4094  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/19  
  description SRV-DC-19  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 4094  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/20  
  description SRV-DC-20  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 4094  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/21  
  description SRV-DC-21  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 4094  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/22  
  description SRV-DC-22  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 4094  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/23  
  description SRV-DC-23  
  switchport access vlan 42  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 42  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/24  
  description SRV-DC-24  
  switchport access vlan 42  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 42
```



```
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/25
description SRV-DC-25
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/26
description server 14 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/27
description server 15 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/28
description server 16 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/29
description server 18 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/30
description server 19 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/31
description server 20 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/32
description server 21 iLO
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/33
description VXML Rouer VEM
switchport access vlan 45
spanning-tree portfast
!
interface GigabitEthernet1/34
description SPAN to SRV-DC-28-NICE VoiceRecorder
switchport trunk encapsulation dot1q
spanning-tree portfast
!
interface GigabitEthernet1/35
description Small store 1800 server e1
switchport access vlan 42
switchport trunk encapsulation dot1q
spanning-tree portfast
!
interface GigabitEthernet1/36
description small store 1800 iLO
```

```
switchport access vlan 40
spanning-tree portfast
!
interface GigabitEthernet1/37
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/38
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/39
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/40
description IPcelerate Server
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/41
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/42
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/43
description EMC SAN Mgt-A
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/44
description PROMISE SAN M1
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/45
switchport access vlan 42
```

```
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/46
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/47
description Uplink to RSERVER-1 Management G7/1
switchport access vlan 42
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/48
description Uplink to RSERVER-2 Management G7/1
switchport access vlan 42
switchport mode access
spanning-tree portfast
!
interface TenGigabitEthernet1/49
description Uplink to RAGG-1-VDC2 T1/13
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 38,41,42,44
switchport mode trunk
channel-group 1 mode active
spanning-tree portfast trunk
!
interface TenGigabitEthernet1/50
description Uplink to RAGG-2-VDC2 T1/13
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 38,41,42,44
switchport mode trunk
channel-group 1 mode active
spanning-tree portfast trunk
!
interface Vlan1
no ip address
!
interface Vlan42
ip address 192.168.42.33 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.42.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-ede-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip tacacs source-interface Vlan42
!
!
logging source-interface Vlan42
logging 192.168.42.121
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
```

```

access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan42
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps flash insertion removal
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps hsrp
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
no tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server source-ports 1645-1646
!
control-plane
!
banner exec
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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER

```

REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.

banner login

WARNING:

THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

```

!
line con 0
  session-timeout 15 output
  exec-timeout 15 0
  login authentication RETAIL
  stopbits 1
line vty 0 4
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
!
monitor session 1 source interface Gi1/33
monitor session 1 destination interface Gi1/34
ntp clock-period 17181001
ntp server 192.168.0.1
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

SACCESS-2

```

!
! Last configuration change at 01:59:33 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:59:33 PST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service compress-config
service sequence-numbers
!

```

```
hostname SACCESS-2
!
boot-start-marker
boot-end-marker
!
logging buffered 51200 debugging
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
aaa new-model
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
vtp mode transparent
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
no ip bootp server
ip ssh version 2
ip scp server enable
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
!
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
power redundancy-mode redundant
!
!
!
vlan internal allocation policy ascending
!
vlan 20,40-43
!
vlan 44
 name PhysicalSec
!
vlan 45-49,52,62,64,72,146,164,256,666,1000
!
interface Port-channel2
 description to Aggregation Switches
 switchport
 switchport trunk encapsulation dot1q
 switchport trunk allowed vlan 38,41,42,44
 switchport mode trunk
```

```
logging event link-status
flowcontrol receive on
!
interface GigabitEthernet1/1
description SRV-DC-1
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/2
description SRV-DC-2
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/3
description SRV-DC-3
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/4
description SRV-DC-4
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/5
description SRV-DC-5
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/6
description SRV-DC-6=CUAE
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/7
description SRV-DC-7=CCM511
switchport access vlan 45
spanning-tree portfast
!
interface GigabitEthernet1/8
description SRV-DC-8
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
```

```
interface GigabitEthernet1/9
description MSP-DC-1
switchport access vlan 44
switchport trunk encapsulation dot1q
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/10
description SRV-DC-10
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/11
description SRV-DC-11
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/12
description SRV-DC-12
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/13
description SRV-DC-13
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/14
description SRV-DC-14
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/15
description SRV-DC-15
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/16
description SRV-DC-16
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/17
```



```
description SRV-DC-17
switchport trunk encapsulation dot1q
switchport trunk native vlan 4094
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/18
description SRV-DC-18
switchport trunk encapsulation dot1q
switchport trunk native vlan 4094
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/19
description SRV-DC-19
switchport trunk encapsulation dot1q
switchport trunk native vlan 4094
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/20
description SRV-DC-20
switchport trunk encapsulation dot1q
switchport trunk native vlan 4094
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/21
description SRV-DC-21
switchport trunk encapsulation dot1q
switchport trunk native vlan 4094
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/22
description SRV-DC-22
switchport trunk encapsulation dot1q
switchport trunk native vlan 4094
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/23
description SRV-DC-23
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/24
description SRV-DC-24
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/25
description SRV-DC-25
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
```

```
!  
interface GigabitEthernet1/26  
  switchport access vlan 42  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 42  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/27  
  switchport access vlan 42  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 42  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/28  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/29  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/30  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/31  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/32  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/33  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/34  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/35  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/36  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/37  
  switchport access vlan 40  
  spanning-tree portfast  
!  
interface GigabitEthernet1/38  
  switchport access vlan 42  
  switchport trunk encapsulation dot1q  
  switchport trunk native vlan 42  
  switchport mode trunk  
  spanning-tree portfast trunk  
!  
interface GigabitEthernet1/39  
  switchport access vlan 42
```

```
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/40
description IPcelerate Server
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/41
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/42
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/43
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/44
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/45
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
spanning-tree portfast trunk
!
interface GigabitEthernet1/46
switchport access vlan 42
switchport trunk encapsulation dot1q
switchport trunk native vlan 42
switchport mode trunk
shutdown
spanning-tree portfast trunk
!
interface GigabitEthernet1/47
description TEMP Uplink to RSERVER-1 Management G7/2
switchport access vlan 42
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet1/48
description TEMP Uplink to RSERVER-2 Management G7/2
```

```

switchport access vlan 42
switchport mode access
spanning-tree portfast
!
interface TenGigabitEthernet1/49
description Uplink to RAGG-1-VDC2 T1/14
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 38,41,42,44
switchport mode trunk
spanning-tree portfast trunk
channel-group 2 mode active
!
interface TenGigabitEthernet1/50
description Uplink to RAGG-2-VDC2 T1/14
switchport trunk encapsulation dot1q
switchport trunk allowed vlan 38,41,42,44
switchport mode trunk
spanning-tree portfast trunk
channel-group 2 mode active
!
interface Vlan1
no ip address
!
interface Vlan42
ip address 192.168.42.34 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 192.168.42.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan42
!
!
!
logging trap debugging
logging source-interface Vlan42
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan42
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```

```

snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps port-security
snmp-server enable traps config
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps flash insertion removal
snmp-server enable traps syslog
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps hsrp
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server source-ports 1645-1646
banner exec
WARNING:

```

```

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```

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```

banner incoming

```

```

WARNING:

```

```

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```

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```

banner login

```

```

WARNING:

```

```

THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

```

```

!

```

```

line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL

```

```

transport preferred none
transport input ssh
transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17181029
ntp source Vlan42
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
!
end

```

SUCCESS-3

```

!Command: show running-config
!Time: Sat Apr 30 01:56:18 2011

version 5.0(3)N1(1b)
feature fcoe

feature privilege
no feature telnet
no telnet server enable
feature tacacs+
cfs eth distribute
feature lacp
feature vpc
feature lldp
feature fex

username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd #
WARNING:
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh login-attempts 6

```

```

ip domain-lookup
ip domain-name cisco-irn.com
ip host SACCESS-3 192.168.41.33
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
hostname SACCESS-3
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.41.33/32
    20 permit ip 192.168.41.101/32 192.168.41.33/32
    30 permit ip 192.168.41.102/32 192.168.41.33/32
    40 permit ip 192.168.42.111/32 192.168.41.33/32
    50 permit ip 192.168.42.122/32 192.168.41.33/32
    60 permit ip 192.168.42.131/32 192.168.41.33/32
    70 permit ip 192.168.42.133/32 192.168.41.33/32
    80 permit ip 192.168.42.138/32 192.168.41.33/32
    90 permit ip 10.19.151.99/32 192.168.41.33/32
    100 deny ip any any
ip access-list 88
    statistics per-entry
    10 permit ip 192.168.42.122/32 192.168.41.33/32
    20 deny ip any any
class-map type qos class-fcoe
class-map type queuing class-all-flood
    match qos-group 2
class-map type queuing class-ip-multicast
    match qos-group 2
class-map type network-qos class-all-flood
    match qos-group 2
class-map type network-qos class-ip-multicast
    match qos-group 2
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server host 192.168.41.101 traps version 2c public udp-port 2162
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps rf redundancy_framework
snmp-server enable traps entity fru
ntp server 192.168.62.161 use-vrf management
ntp server 192.168.62.162 use-vrf management
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
    ip route 0.0.0.0/0 192.168.41.1
vlan 1
vlan 36
    name DeviceMgmtHigh
vlan 37

```

```
    name DeviceMgmtLow
vlan 38
    name HyTrust
vlan 40
    name Server_iLO
vlan 41
    name ESX_Server
vlan 42
    name CoreManagement
vlan 43
    name WirelessSystems
vlan 45
vlan 52
    name POS
vlan 80-82,140-141
vlan 302
    fcoe vsan 2
vsan database
    vsan 2 name "Promise-2"
fcdomain fcid database
    vsan 2 wwn 21:00:00:1b:32:00:ab:0d fcid 0xee0000 area dynamic
    vsan 2 wwn 21:00:00:1b:32:00:70:0d fcid 0xee0100 area dynamic
    vsan 2 wwn 21:00:00:1b:32:00:33:0c fcid 0xee0200 area dynamic
    vsan 2 wwn 21:00:00:1b:32:00:5d:0d fcid 0xee0300 area dynamic
    vsan 2 wwn 21:00:00:1b:32:80:0b:10 fcid 0xee0400 area dynamic
    vsan 2 wwn 21:00:00:1b:32:80:52:10 fcid 0xee0500 area dynamic
    vsan 2 wwn 21:00:00:1b:32:80:da:0f fcid 0xee0600 area dynamic
    vsan 2 wwn 21:00:00:1b:32:00:3a:0c fcid 0xee0700 area dynamic
    vsan 2 wwn 21:00:00:1b:32:80:f1:0f fcid 0xee0800 area dynamic
    vsan 1 wwn 26:01:00:01:55:35:7e:44 fcid 0xee0000 dynamic
    vsan 2 wwn 21:00:00:1b:32:00:5e:0d fcid 0xee0900 area dynamic

interface port-channel3
    switchport mode trunk
    switchport trunk allowed vlan 38,41-45,52

interface vfc513
    bind interface Ethernet1/13
    no shutdown

interface vfc514
    bind interface Ethernet1/14
    no shutdown

interface vfc515
    bind interface Ethernet1/15
    no shutdown

interface vfc516
    bind interface Ethernet1/16
    no shutdown

interface vfc517
    bind interface Ethernet1/17
    no shutdown

interface vfc518
    bind interface Ethernet1/18
    no shutdown

interface vfc519
    bind interface Ethernet1/19
    no shutdown
```



```
interface vfc520
  bind interface Ethernet1/20
  no shutdown

interface vfc521
  bind interface Ethernet1/21
  no shutdown

interface vfc522
  bind interface Ethernet1/22
  no shutdown

interface vfc523
  bind interface Ethernet1/23
  no shutdown

interface vfc524
  bind interface Ethernet1/24
  no shutdown

interface vfc525
  bind interface Ethernet1/25
  no shutdown

interface vfc526
  bind interface Ethernet1/26
  no shutdown

interface vfc527
  bind interface Ethernet1/27
  no shutdown

interface vfc528
  bind interface Ethernet1/28
  no shutdown

interface vfc529
  bind interface Ethernet1/29
  no shutdown

interface vfc530
  bind interface Ethernet1/30
  no shutdown

interface vfc531
  bind interface Ethernet1/31
  no shutdown

interface vfc532
  bind interface Ethernet1/32
  no shutdown

interface vfc505
  bind interface Ethernet1/5
  no shutdown

interface vfc506
  bind interface Ethernet1/6
  no shutdown

interface vfc507
  bind interface Ethernet1/7
  no shutdown
```

```
interface vfc508
  bind interface Ethernet1/8
  no shutdown

interface vfc509
  bind interface Ethernet1/9
  no shutdown

interface vfc510
  bind interface Ethernet1/10
  no shutdown

interface vfc511
  bind interface Ethernet1/11
  no shutdown

interface vfc512
  bind interface Ethernet1/12
  no shutdown
vsan database
  vsan 2 interface vfc513
  vsan 2 interface vfc514
  vsan 2 interface vfc515
  vsan 2 interface vfc516
  vsan 2 interface vfc517
  vsan 2 interface vfc518
  vsan 2 interface vfc519
  vsan 2 interface vfc520
  vsan 2 interface vfc521
  vsan 2 interface vfc522
  vsan 2 interface vfc523
  vsan 2 interface vfc524
  vsan 2 interface vfc525
  vsan 2 interface vfc526
  vsan 2 interface vfc527
  vsan 2 interface vfc528
  vsan 2 interface vfc529
  vsan 2 interface vfc530
  vsan 2 interface vfc531
  vsan 2 interface vfc532
  vsan 4094 interface vfc505
  vsan 4094 interface vfc506
  vsan 4094 interface vfc507
  vsan 4094 interface vfc508
  vsan 4094 interface vfc509
  vsan 4094 interface vfc510
  vsan 2 interface vfc511
  vsan 2 interface vfc512
  vsan 2 interface fc2/1
  vsan 2 interface fc2/2
  vsan 2 interface fc2/3
  vsan 2 interface fc2/4
  vsan 2 interface fc3/1
  vsan 2 interface fc3/2
  vsan 2 interface fc3/3
  vsan 2 interface fc3/4

interface fc2/1
  switchport description Connection to MDS-DC-1
  no shutdown

interface fc2/2
```

```
interface fc2/3

interface fc2/4

interface fc3/1
  switchport description Connection to Promise 600 san
  no shutdown

interface fc3/2

interface fc3/3

interface fc3/4

interface Ethernet1/1
  description to DC-F-UCS-1 TG0/1
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/2
  description to DC-F-UCS-1 TG0/2
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/3
  description to DC-F-UCS-2 TG0/3
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/4
  description to DC-F-UCS-2 TG0/4
  switchport mode trunk
  spanning-tree port type network

interface Ethernet1/5
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/6
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/7
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/8
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/9
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/10
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/11
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/12
```

```
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/13
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/14
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/15
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/16
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/17
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/18
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/19
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/20
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/21
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/22
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/23
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/24
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/25
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/26
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/27
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/28
```

```
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/29
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/30
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/31
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/32
switchport mode trunk
spanning-tree port type edge trunk

interface Ethernet1/33
description to RAGG-1-VDC2 TG1/9
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
spanning-tree port type network
channel-group 3 mode active

interface Ethernet1/34
description to RAGG-1-VDC2 TG1/10
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
spanning-tree port type network
channel-group 3 mode active

interface Ethernet1/35
description to RAGG-2-VDC2 TG1/11
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
spanning-tree port type network
channel-group 3 mode active

interface Ethernet1/36
description to RAGG-2-VDC2 TG1/12
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
spanning-tree port type network
channel-group 3 mode active

interface Ethernet1/37
shutdown

interface Ethernet1/38
shutdown

interface Ethernet1/39
description to SACCESS-4
shutdown

interface Ethernet1/40
description to SACCESS-4
shutdown

interface Ethernet2/1

interface Ethernet2/2
```

```

interface Ethernet2/3

interface Ethernet2/4

interface Ethernet3/1

interface Ethernet3/2

interface Ethernet3/3

interface Ethernet3/4

interface mgmt0
  ip address 192.168.41.33/24
  clock timezone PST -8 0
  clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
  system default zone default-zone permit
  system default zone distribute full
  line console
    exec-timeout 15
  line vty
    exec-timeout 15
    access-class 23 in
  boot kickstart bootflash:/n5000-uk9-kickstart.5.0.3.N1.1b.bin
  boot system bootflash:/n5000-uk9.5.0.3.N1.1b.bin
  interface fc2/2
  interface fc2/3
  interface fc2/4
  interface fc2/1
    switchport fcrxbbcredit 1
    switchport fcrxbbcredit 2 mode E
  interface fc3/1
  interface fc3/2
  interface fc3/3
  interface fc3/4
  logging server 192.168.42.124 6
  zone default-zone permit vsan 2
  zoneset distribute full vsan 2
  !Full Zone Database Section for vsan 2
  zone name global_zone vsan 2
    member pwnn 26:00:00:01:55:35:7e:44
    member pwnn 26:02:00:01:55:35:7e:44
    member pwnn 10:00:00:00:c9:75:68:c3
    member pwnn 10:00:00:00:c9:77:92:e9
    member pwnn 10:00:00:00:c9:77:db:c3
    member pwnn 10:00:00:00:c9:77:dc:c3
    member pwnn 10:00:00:00:c9:77:dd:bc
    member pwnn 21:00:00:1b:32:00:33:0c
    member pwnn 21:00:00:1b:32:00:3a:0c
    member pwnn 21:00:00:1b:32:00:5d:0d
    member pwnn 21:00:00:1b:32:00:5e:0d
    member pwnn 21:00:00:1b:32:00:70:0d
    member pwnn 21:00:00:1b:32:00:ab:0d
    member pwnn 21:00:00:1b:32:80:0b:10
    member pwnn 21:00:00:1b:32:80:52:10
    member pwnn 21:00:00:1b:32:80:da:0f
    member pwnn 21:00:00:1b:32:80:f1:0f

  zoneset name promise-2_zs vsan 2
    member global_zone

  zoneset activate name promise-2_zs vsan 2

```

SACCESS-4

```
!Command: show running-config
!Time: Sat Apr 30 01:57:14 2011

version 5.0(3)N1(1b)
feature fcoe

feature privilege
no feature telnet
no telnet server enable
feature tacacs+
cfs eth distribute
feature lacp
feature vpc
feature lldp
feature fex

username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host SACCESS-4 192.168.41.34
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
    use-vrf management
    source-interface mgmt0
switchname SACCESS-4
ip access-list 23
    statistics per-entry
    10 permit ip 127.0.0.1/32 192.168.41.34/32
    20 permit ip 192.168.41.101/32 192.168.41.34/32
    30 permit ip 192.168.41.102/32 192.168.41.34/32
    40 permit ip 192.168.42.111/32 192.168.41.34/32
    50 permit ip 192.168.42.122/32 192.168.41.34/32
    60 permit ip 192.168.42.131/32 192.168.41.34/32
    70 permit ip 192.168.42.133/32 192.168.41.34/32
    80 permit ip 192.168.42.138/32 192.168.41.34/32
```

```

90 permit ip 10.19.151.99/32 192.168.41.34/32
100 deny ip any any
ip access-list 88
  statistics per-entry
  10 permit ip 192.168.42.122/32 192.168.41.34/32
  20 deny ip any any
class-map type qos class-fcoe
class-map type queuing class-all-flood
  match qos-group 2
class-map type queuing class-ip-multicast
  match qos-group 2
class-map type network-qos class-all-flood
  match qos-group 2
class-map type network-qos class-ip-multicast
  match qos-group 2
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server enable traps entity fru
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps rf redundancy_framework
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable

vrf context management
  ip route 0.0.0.0/0 192.168.41.1
vlan 1
vlan 36
  name DeviceMgmtHigh
vlan 37
  name DeviceMgmtLow
vlan 38
  name HyTrust
vlan 40
  name Server_iLO
vlan 41
  name ESX_Server
vlan 42
  name CoreManagement
vlan 45,80-82,141-142
vlan 402
  fcoe vsan 2
vsan database
  vsan 2
fcdomain fcid database
  vsan 2 wwn 21:01:00:1b:32:20:5e:0d fcid 0xa20000 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:ab:0d fcid 0xa20100 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:70:0d fcid 0xa20200 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:33:0c fcid 0xa20300 area dynamic
  vsan 2 wwn 21:01:00:1b:32:20:5d:0d fcid 0xa20400 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:0b:10 fcid 0xa20500 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:52:10 fcid 0xa20600 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:da:0f fcid 0xa20700 area dynamic
  vsan 2 wwn 21:01:00:1b:32:a0:f1:0f fcid 0xa20800 area dynamic

```



```
vsan 2 wwn 21:01:00:1b:32:20:3a:0c fcid 0xa20900 area dynamic

interface port-channel4
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52

interface vfc513
  bind interface Ethernet1/13
  no shutdown

interface vfc514
  bind interface Ethernet1/14
  no shutdown

interface vfc515
  bind interface Ethernet1/15
  no shutdown

interface vfc516
  bind interface Ethernet1/16
  no shutdown

interface vfc517
  bind interface Ethernet1/17
  no shutdown

interface vfc518
  bind interface Ethernet1/18
  no shutdown

interface vfc519
  bind interface Ethernet1/19
  no shutdown

interface vfc520
  bind interface Ethernet1/20
  no shutdown

interface vfc521
  bind interface Ethernet1/21
  no shutdown

interface vfc522
  bind interface Ethernet1/22
  no shutdown

interface vfc523
  bind interface Ethernet1/23
  no shutdown

interface vfc524
  bind interface Ethernet1/24
  no shutdown

interface vfc525
  bind interface Ethernet1/25
  no shutdown

interface vfc526
  bind interface Ethernet1/26
  no shutdown

interface vfc527
```

```
bind interface Ethernet1/27
no shutdown

interface vfc528
bind interface Ethernet1/28
no shutdown

interface vfc529
bind interface Ethernet1/29
no shutdown

interface vfc530
bind interface Ethernet1/30
no shutdown

interface vfc531
bind interface Ethernet1/31
no shutdown

interface vfc532
bind interface Ethernet1/32
no shutdown

interface vfc505
bind interface Ethernet1/5
no shutdown

interface vfc506
bind interface Ethernet1/6
no shutdown

interface vfc507
bind interface Ethernet1/7
no shutdown

interface vfc508
bind interface Ethernet1/8
no shutdown

interface vfc509
bind interface Ethernet1/9
no shutdown

interface vfc510
bind interface Ethernet1/10
no shutdown

interface vfc511
bind interface Ethernet1/11
no shutdown

interface vfc512
bind interface Ethernet1/12
no shutdown
vsan database
vsan 2 interface vfc513
vsan 2 interface vfc514
vsan 2 interface vfc515
vsan 2 interface vfc516
vsan 2 interface vfc517
vsan 2 interface vfc518
vsan 2 interface vfc519
vsan 2 interface vfc520
vsan 2 interface vfc521
```

```
vsan 2 interface vfc522
vsan 2 interface vfc523
vsan 2 interface vfc524
vsan 2 interface vfc525
vsan 2 interface vfc526
vsan 2 interface vfc527
vsan 2 interface vfc528
vsan 2 interface vfc529
vsan 2 interface vfc530
vsan 2 interface vfc531
vsan 2 interface vfc532
vsan 2 interface vfc505
vsan 2 interface vfc506
vsan 2 interface vfc507
vsan 2 interface vfc508
vsan 2 interface vfc509
vsan 2 interface vfc510
vsan 2 interface vfc511
vsan 2 interface vfc512
vsan 2 interface fc3/1

interface fc2/1
  switchport description Connection to MDS-DC-1
  no shutdown

interface fc2/2

interface fc2/3

interface fc2/4

interface fc3/1
  switchport description Connection to Promise 600 san
  no shutdown

interface fc3/2

interface fc3/3

interface fc3/4

interface Ethernet1/1
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/2
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/3
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/4
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/5
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/6
  switchport mode trunk
```

```
spanning-tree port type edge trunk

interface Ethernet1/7
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/8
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/9
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/10
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/11
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/12
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/13
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/14
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/15
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/16
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/17
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/18
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/19
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/20
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/21
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/22
  switchport mode trunk
```

```
spanning-tree port type edge trunk

interface Ethernet1/23
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/24
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/25
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/26
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/27
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/28
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/29
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/30
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/31
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/32
  switchport mode trunk
  spanning-tree port type edge trunk

interface Ethernet1/33
  description to RAGG-2-VDC2 TG1/9
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/34
  description to RAGG-2-VDC2 TG1/10
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/35
  description to RAGG-1-VDC2 TG1/11
  switchport mode trunk
  switchport trunk allowed vlan 38,41-45,52
  spanning-tree port type network
  channel-group 4 mode active

interface Ethernet1/36
```

```
description to RAGG-1-VDC2 TG1/12
switchport mode trunk
switchport trunk allowed vlan 38,41-45,52
spanning-tree port type network
channel-group 4 mode active

interface Ethernet1/37
shutdown

interface Ethernet1/38
shutdown

interface Ethernet1/39
description link to SACCESS-3
shutdown

interface Ethernet1/40
description link to SACCESS-3
shutdown

interface Ethernet2/1

interface Ethernet2/2

interface Ethernet2/3

interface Ethernet2/4

interface Ethernet3/1

interface Ethernet3/2

interface Ethernet3/3

interface Ethernet3/4

interface mgmt0
ip address 192.168.41.34/24
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
line console
exec-timeout 15
line vty
exec-timeout 15
access-class 23 in
boot kickstart bootflash:/n5000-uk9-kickstart.5.0.3.N1.1b.bin
boot system bootflash:/n5000-uk9.5.0.3.N1.1b.bin
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc3/1
interface fc3/2
interface fc3/3
interface fc3/4
logging server 192.168.42.124 6
zone default-zone permit vsan 2
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
zoneset name promise-2_zs vsan 2
member global_zone
```

SACCESS-5

```

!
! Last configuration change at 02:02:07 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:02:10 PST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname SACCESS-5
!
boot-start-marker
boot-end-marker
!
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST recurring
switch 1 provision ws-c3750e-48td
system mtu routing 1500
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 65535
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-2654502656
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-2654502656

```

```
revocation-check none
rsakeypair TP-self-signed-2654502656
!
!
crypto pki certificate chain TP-self-signed-2654502656
certificate self-signed 01
  <removed> quit
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
vlan dot1q tag native
!
ip ssh version 2
ip scp server enable
!
!
!
interface FastEthernet0
  no ip address
  shutdown
!
interface GigabitEthernet1/0/1
  description SRV-DC-22 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/2
  description SRV-DC-23 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/3
  description SRV-DC-24 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/4
  description SRV-DC-25 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/5
  description SRV-DC-26 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/6
  description SRV-DC-27 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/7
  description SRV-DC-28 iLO
  switchport access vlan 40
  spanning-tree portfast
```



```
!
interface GigabitEthernet1/0/8
  description SRV-DC-29 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/9
  description SRV-DC-30 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/10
  description SRV-DC-31 iLO
  switchport access vlan 40
  spanning-tree portfast
!
interface GigabitEthernet1/0/11
  description DC-UCSFabric-1-A Mgmt0
  switchport access vlan 41
  spanning-tree portfast
!
interface GigabitEthernet1/0/12
  description DC-UCSFabric-1-B Mgmt0
  switchport access vlan 41
  spanning-tree portfast
!
interface GigabitEthernet1/0/13
  description DC-ASA-1 Mgmt0
  switchport access vlan 42
  spanning-tree portfast
!
interface GigabitEthernet1/0/14
  description DC-ASA-2 Mgmt0
  switchport access vlan 42
  spanning-tree portfast
!
interface GigabitEthernet1/0/15
!
interface GigabitEthernet1/0/16
!
interface GigabitEthernet1/0/17
!
interface GigabitEthernet1/0/18
!
interface GigabitEthernet1/0/19
!
interface GigabitEthernet1/0/20
!
interface GigabitEthernet1/0/21
!
interface GigabitEthernet1/0/22
  description SRV-DC-22 ESXi
  switchport access vlan 41
  spanning-tree portfast
!
interface GigabitEthernet1/0/23
  description SRV-DC-23 ESXi
  switchport access vlan 41
  spanning-tree portfast
!
interface GigabitEthernet1/0/24
  description SRV-DC-24 ESXi
  switchport access vlan 41
  spanning-tree portfast
```

```
!  
interface GigabitEthernet1/0/25  
  description SRV-DC-25 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/26  
  description SRV-DC-26 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/27  
  description SRV-DC-27 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/28  
  description SRV-DC-28 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/29  
  description SRV-DC-29 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/30  
  description SRV-DC-30 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/31  
  description SRV-DC-31 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/32  
  description SRV-DC-32 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/33  
  description SRV-DC-33 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/34  
  description SRV-DC-34 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/35  
  description SRV-DC-35 ESXi  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/36  
!  
interface GigabitEthernet1/0/37  
  description SACCESS-3 Mgmt  
  switchport access vlan 41  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/38
```

```
description SACCESS-4 Mgmt
switchport access vlan 41
spanning-tree portfast
!
interface GigabitEthernet1/0/39
description RCORE-1 Mgmt-a
switchport access vlan 42
spanning-tree portfast
!
interface GigabitEthernet1/0/40
description RCORE-1 Mgmt-b
switchport access vlan 42
spanning-tree portfast
!
interface GigabitEthernet1/0/41
description RCORE-2 Mgmt-a
switchport access vlan 42
spanning-tree portfast
!
interface GigabitEthernet1/0/42
description RCORE-2 Mgmt-b
switchport access vlan 42
spanning-tree portfast
!
interface GigabitEthernet1/0/43
!
interface GigabitEthernet1/0/44
!
interface GigabitEthernet1/0/45
!
interface GigabitEthernet1/0/46
!
interface GigabitEthernet1/0/47
description Uplink to RAGG-2-vdc2 T2/13
switchport trunk encapsulation dot1q
switchport mode trunk
!
interface GigabitEthernet1/0/48
description Uplink to RAGG-1-vdc2 T2/13
switchport trunk encapsulation dot1q
switchport mode trunk
!
interface GigabitEthernet1/0/49
!
interface GigabitEthernet1/0/50
!
interface GigabitEthernet1/0/51
!
interface GigabitEthernet1/0/52
!
interface TenGigabitEthernet1/0/1
!
interface TenGigabitEthernet1/0/2
!
interface Vlan1
no ip address
shutdown
!
interface Vlan41
ip address 192.168.41.222 255.255.255.0
!
interface Vlan42
ip address 192.168.42.30 255.255.255.0
!
```

```

interface Vlan1000
  no ip address
  !
ip default-gateway 192.168.42.1
ip classless
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan42
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan42
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan42
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold

```

```
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
    session-timeout 15 output
    exec-timeout 15 0
    login authentication RETAIL
line vty 0 4
    session-timeout 15 output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
line vty 5 15
    session-timeout 15 output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
!
ntp clock-period 36029147
ntp source Vlan42
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
```

```
end
```

Storage

MDS-DC-1-RUNNING

```
!Command: show running-config
!Time: Sun Apr 24 16:47:39 2011

version 5.0(1a)
system default switchport mode F
feature npiv
feature privilege
feature tacacs+
role name default-role
  description This is a system defined role and applies to all users.
  rule 5 permit show feature environment
  rule 4 permit show feature hardware
  rule 3 permit show feature module
  rule 2 permit show feature snmp
  rule 1 permit show feature system
username admin password 5 <removed> role network-admin
username retail password 5 <removed> role network-admin
username emc-ncm password 5 <removed> role network-admin
username bart password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd #WARNING:      **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail
****                      **** AUTHORIZED USERS ONLY! ****ANY USE OF THIS COMPUTER NETWORK
SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENTTO MONITORING OF SUCH USE AND TO SUCH
ADDITIONAL MONITORING AS MAY BE NECESSARYTO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM
ADMINISTRATOR OR OTHERREPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY
TIME WITHOUTFURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY
OTHERCRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAWENFORCEMENT
OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.UNAUTHORIZED ACCESS IS A VIOLATION
OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host MDS-DC-1 192.168.41.51
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
  server 192.168.42.131
aaa group server radius radius
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server host 192.168.41.101 traps version 2c public udp-port 2162
snmp-server host 192.168.42.121 traps version 3 auth public
no snmp-server enable traps entity entity_mib_change
no snmp-server enable traps entity entity_module_status_change
no snmp-server enable traps entity entity_power_status_change
no snmp-server enable traps entity entity_module_inserted
no snmp-server enable traps entity entity_module_removed
```

```

no snmp-server enable traps entity entity_unrecognised_module
no snmp-server enable traps entity entity_fan_status_change
no snmp-server enable traps entity entity_power_out_change
no snmp-server enable traps rf redundancy_framework
ntp server 192.168.62.161
ntp server 192.168.62.162
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable
ip access-list 23 permit ip 127.0.0.1 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.41.101 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.41.102 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.111 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.121 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.122 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.131 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.133 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 192.168.42.138 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 permit ip 10.19.151.99 0.0.0.0 192.168.41.51 0.0.0.0
ip access-list 23 deny ip any any log-deny
vsan database
  vsan 2 name "Promise-2"
  vsan 10 name "UIM_VSAN_A_10"
fcdomain fcid database
  vsan 1 wwn 50:00:40:20:03:fc:44:6a fcid 0x020000 dynamic
  vsan 1 wwn 50:00:40:21:03:fc:44:6a fcid 0x020001 dynamic
  vsan 1 wwn 21:00:00:e0:8b:19:70:09 fcid 0x020100 area dynamic
  vsan 1 wwn 20:89:00:05:30:00:99:de fcid 0x020200 area dynamic
  vsan 1 wwn 20:8a:00:05:30:00:99:de fcid 0x020300 area dynamic
  vsan 1 wwn 23:00:00:05:30:00:99:e0 fcid 0x020002 dynamic
  vsan 1 wwn 23:01:00:05:30:00:99:e0 fcid 0x020003 dynamic
  vsan 1 wwn 23:02:00:05:30:00:99:e0 fcid 0x020004 dynamic
  vsan 1 wwn 23:03:00:05:30:00:99:e0 fcid 0x020005 dynamic
  vsan 1 wwn 23:04:00:05:30:00:99:e0 fcid 0x020006 dynamic
  vsan 1 wwn 23:05:00:05:30:00:99:e0 fcid 0x020007 dynamic
  vsan 1 wwn 23:06:00:05:30:00:99:e0 fcid 0x020008 dynamic
  vsan 1 wwn 23:07:00:05:30:00:99:e0 fcid 0x020009 dynamic
  vsan 1 wwn 23:08:00:05:30:00:99:e0 fcid 0x02000a dynamic
  vsan 1 wwn 22:02:00:05:30:00:99:e0 fcid 0x02000b dynamic
  vsan 1 wwn 22:04:00:05:30:00:99:e0 fcid 0x02000c dynamic
  vsan 1 wwn 22:06:00:05:30:00:99:e0 fcid 0x02000d dynamic
  vsan 1 wwn 22:08:00:05:30:00:99:e0 fcid 0x02000e dynamic
  vsan 1 wwn 22:0a:00:05:30:00:99:e0 fcid 0x02000f dynamic
  vsan 1 wwn 22:0c:00:05:30:00:99:e0 fcid 0x020010 dynamic
  vsan 1 wwn 10:00:00:00:c9:60:df:80 fcid 0x020011 dynamic
  vsan 1 wwn 23:12:00:05:30:00:99:e0 fcid 0x020012 dynamic
  vsan 1 wwn 23:13:00:05:30:00:99:e0 fcid 0x020013 dynamic
  vsan 1 wwn 23:14:00:05:30:00:99:e0 fcid 0x020014 dynamic
  vsan 1 wwn 23:15:00:05:30:00:99:e0 fcid 0x020015 dynamic
  vsan 1 wwn 23:17:00:05:30:00:99:e0 fcid 0x020016 dynamic
  vsan 1 wwn 23:16:00:05:30:00:99:e0 fcid 0x020017 dynamic
  vsan 1 wwn 23:18:00:05:30:00:99:e0 fcid 0x020018 dynamic
  vsan 1 wwn 23:19:00:05:30:00:99:e0 fcid 0x020019 dynamic
  vsan 1 wwn 11:00:00:00:00:00:00:01 fcid 0x02001a dynamic
  vsan 1 wwn 20:00:00:00:00:00:00:01 fcid 0x02001b dynamic
  vsan 1 wwn 10:00:00:00:c9:77:94:21 fcid 0x02001c dynamic
  vsan 1 wwn 10:00:00:00:c9:77:92:e9 fcid 0x02001d dynamic
  vsan 1 wwn 10:00:00:00:c9:77:dd:bc fcid 0x02001e dynamic
  vsan 1 wwn 20:41:00:05:9b:73:10:c0 fcid 0x02001f dynamic
  vsan 1 wwn 20:41:00:05:9b:73:17:40 fcid 0x020020 dynamic
  vsan 1 wwn 10:00:00:00:c9:77:dc:c3 fcid 0x020021 dynamic
  vsan 1 wwn 10:00:00:00:c9:75:68:c3 fcid 0x020022 dynamic

```

```

vsan 1 wwn 20:4c:00:0d:ec:2d:94:c0 fcid 0x020400 area dynamic
vsan 1 wwn 20:64:00:0d:ec:2d:94:c0 fcid 0x020500 area dynamic
vsan 1 wwn 10:00:00:00:c9:77:db:c3 fcid 0x020023 dynamic
vsan 2 wwn 20:4c:00:0d:ec:2d:94:c0 fcid 0xef0000 area dynamic
vsan 2 wwn 10:00:00:00:c9:75:68:c3 fcid 0xef0100 dynamic
vsan 2 wwn 10:00:00:00:c9:77:dc:c3 fcid 0xef0101 dynamic
vsan 2 wwn 10:00:00:00:c9:77:dd:bc fcid 0xef0102 dynamic
vsan 2 wwn 10:00:00:00:c9:77:db:c3 fcid 0xef0103 dynamic
vsan 2 wwn 10:00:00:00:c9:77:92:e9 fcid 0xef0104 dynamic
vsan 2 wwn 50:06:01:60:46:e0:33:aa fcid 0xef01ef dynamic
vsan 2 wwn 20:41:00:05:9b:73:10:c0 fcid 0xef0105 dynamic
vsan 1 wwn 50:06:01:68:46:e0:33:aa fcid 0x0200ef dynamic
vsan 1 wwn 50:06:01:60:46:e0:33:aa fcid 0x0206ef dynamic
vsan 2 wwn 20:41:00:05:9b:73:17:40 fcid 0xef0106 dynamic
vsan 2 wwn 10:00:00:00:c9:77:94:21 fcid 0xef0107 dynamic
vsan 2 wwn 20:64:00:0d:ec:2d:94:c0 fcid 0xef0200 area dynamic
vsan 2 wwn 50:06:01:68:46:e0:33:aa fcid 0xef03ef dynamic
vsan 10 wwn 50:06:01:60:46:e0:33:aa fcid 0xd800ef dynamic
vsan 10 wwn 20:41:00:05:9b:73:10:c0 fcid 0xd80000 dynamic
vsan 10 wwn 20:41:00:05:9b:73:17:40 fcid 0xd80001 dynamic
vsan 10 wwn 10:00:00:00:c9:77:94:21 fcid 0xd80002 dynamic
vsan 10 wwn 50:06:01:61:46:e0:33:aa fcid 0xd801ef dynamic
vsan 10 wwn 50:06:01:69:46:e0:33:aa fcid 0xd802ef dynamic
vsan 10 wwn 20:42:00:05:9b:73:10:c0 fcid 0xd80003 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:0f fcid 0xd80004 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:18 fcid 0xd80005 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:12 fcid 0xd80006 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:15 fcid 0xd80007 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:19 fcid 0xd80008 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:10 fcid 0xd80009 dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:1c fcid 0xd8000a dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:25 fcid 0xd8000b dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:22 fcid 0xd8000c dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:1f fcid 0xd8000d dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:2b fcid 0xd8000e dynamic
vsan 10 wwn 20:00:00:25:b5:01:11:28 fcid 0xd8000f dynamic
vsan database
vsan 2 interface fc2/1
vsan 2 interface fc2/2
vsan 2 interface fc2/3
vsan 2 interface fc2/4
vsan 2 interface fc2/5
vsan 2 interface fc2/6
vsan 2 interface fc2/7
vsan 2 interface fc2/8
vsan 2 interface fc2/9
vsan 2 interface fc2/10
vsan 2 interface fc2/11
vsan 2 interface fc2/12
vsan 2 interface fc2/13
vsan 2 interface fc2/14
vsan 2 interface fc2/15
vsan 2 interface fc2/16
vsan 2 interface fc2/17
vsan 2 interface fc2/18
vsan 2 interface fc2/19
vsan 2 interface fc2/20
vsan 2 interface fc2/21
vsan 2 interface fc2/22
vsan 2 interface fc2/23
vsan 10 interface fc2/24
vsan 10 interface fc2/25
vsan 10 interface fc2/26
vsan 2 interface fc2/27

```



```
vsan 2 interface fc2/28
vsan 2 interface fc2/29
vsan 2 interface fc2/30
vsan 2 interface fc2/31
vsan 2 interface fc2/32
vsan 2 interface fc2/33
vsan 2 interface fc2/34
vsan 2 interface fc2/35
vsan 2 interface fc2/36
vsan 2 interface fc2/37
vsan 2 interface fc2/38
vsan 2 interface fc2/39
vsan 2 interface fc2/40
vsan 2 interface fc2/41
vsan 2 interface fc2/42
vsan 2 interface fc2/43
vsan 2 interface fc2/44
vsan 2 interface fc2/45
vsan 2 interface fc2/46
vsan 2 interface fc2/47
vsan 10 interface fc2/48
vsan 2 interface fc4/1
vsan 2 interface fc4/2
vsan 2 interface fc4/3
vsan 2 interface fc4/4
vsan 2 interface fc4/5
vsan 2 interface fc4/6
vsan 2 interface fc4/7
vsan 2 interface fc4/8
vsan 2 interface fc4/9
vsan 2 interface fc4/10
vsan 2 interface fc4/11
vsan 2 interface fc4/12
vsan 2 interface fc4/13
vsan 2 interface fc4/14
vsan 2 interface fc4/15
vsan 2 interface fc4/16
vsan 2 interface fc4/17
vsan 2 interface fc4/18
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
ip default-gateway 192.168.41.1
switchname MDS-DC-1
line vty
    exec-timeout 15
line console
    exec-timeout 15
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mzg.5.0.1a.bin.S4 sup-1
boot system bootflash:/m9500-sf2ek9-mzg.5.0.1a.bin.S4 sup-1
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mzg.5.0.1a.bin.S4 sup-2
boot system bootflash:/m9500-sf2ek9-mzg.5.0.1a.bin.S4 sup-2
interface fc2/12
    switchport speed 4000
    switchport rate-mode shared
interface fc2/11
    switchport rate-mode dedicated
interface fc2/36
    switchport rate-mode dedicated
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/5
interface fc2/6
```

```
interface fc2/7
interface fc2/8
interface fc2/9
interface fc2/10
interface fc2/12
    switchport mode FL
interface fc2/13
interface fc2/14
interface fc2/15
interface fc2/16
interface fc2/17
interface fc2/18
interface fc2/19
interface fc2/20
interface fc2/21
interface fc2/22
interface fc2/23
interface fc2/24
interface fc2/25
interface fc2/26
interface fc2/27
interface fc2/28
interface fc2/29
interface fc2/30
interface fc2/31
interface fc2/32
interface fc2/33
interface fc2/34
interface fc2/35
interface fc2/37
interface fc2/38
interface fc2/39
interface fc2/40
interface fc2/41
interface fc2/42
interface fc2/43
interface fc2/44
interface fc2/45
interface fc2/46
interface fc2/47
interface fc2/48
interface fc2/11
    switchport mode auto
interface fc2/36
    switchport mode auto
interface fc4/1
interface fc4/2
interface fc4/3
interface fc4/4
interface fc4/5
interface fc4/6
interface fc4/7
interface fc4/8
interface fc4/9
interface fc4/10
interface fc4/11
interface fc4/12
interface fc4/13
interface fc4/14
interface fc4/15
interface fc4/16
interface fc4/17
interface fc4/18
logging server 192.168.42.121
```

```
logging server 192.168.42.124 6
system default zone default-zone permit
system default zone distribute full
zone default-zone permit vsan 2
zone default-zone permit vsan 10
zoneset distribute full vsan 1-2
zoneset distribute full vsan 10
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
  member pwwn 26:00:00:01:55:35:7e:44
  member pwwn 26:02:00:01:55:35:7e:44
  member pwwn 10:00:00:00:c9:75:68:c3
  member pwwn 10:00:00:00:c9:77:92:e9
  member pwwn 10:00:00:00:c9:77:db:c3
  member pwwn 10:00:00:00:c9:77:dc:c3
  member pwwn 10:00:00:00:c9:77:dd:bc
  member pwwn 21:00:00:1b:32:00:33:0c
  member pwwn 21:00:00:1b:32:00:3a:0c
  member pwwn 21:00:00:1b:32:00:5d:0d
  member pwwn 21:00:00:1b:32:00:5e:0d
  member pwwn 21:00:00:1b:32:00:70:0d
  member pwwn 21:00:00:1b:32:00:ab:0d
  member pwwn 21:00:00:1b:32:80:0b:10
  member pwwn 21:00:00:1b:32:80:52:10
  member pwwn 21:00:00:1b:32:80:da:0f
  member pwwn 21:00:00:1b:32:80:f1:0f

zoneset name promise-2_zs vsan 2
  member global_zone

zoneset activate name promise-2_zs vsan 2
!Full Zone Database Section for vsan 10
zone name UIM_20000025B5011112_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:12
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011110_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:10
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011112_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:12
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011110_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:10
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011112_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:12
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011110_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:10
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011112_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:12
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011110_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:10
  member pwwn 50:06:01:61:46:e0:33:aa
```

```
zone name UIM_20000025B5011115_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:15
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011116_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:16
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011115_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:15
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011116_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:16
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011115_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:15
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011116_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:16
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011115_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:15
  member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011116_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:16
  member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111A_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:1a
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011119_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:19
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111A_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:1a
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011119_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:19
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111A_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:1a
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011119_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:19
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111A_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:1a
  member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011119_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:19
  member pwnn 50:06:01:60:46:e0:33:aa
```

```
zone name UIM_20000025B501111D_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1d
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111C_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1c
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111D_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1d
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111C_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1c
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111D_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1d
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111C_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1c
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111D_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1d
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111C_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1c
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111F_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1f
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011120_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:20
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111F_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1f
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011120_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:20
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111F_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1f
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011120_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:20
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111F_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:1f
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011120_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:20
  member pwwn 50:06:01:60:46:e0:33:aa
```

```
zone name UIM_20000025B5011123_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:23
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011122_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:22
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011123_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:23
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011122_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:22
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011123_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:23
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011122_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:22
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011123_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:23
  member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011122_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:22
  member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011125_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:25
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011126_5006016146E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:26
  member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011125_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:25
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011126_5006016946E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:26
  member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011125_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:25
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011126_5006016846E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:26
  member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011125_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:25
  member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011126_5006016046E033AA vsan 10
  member pwnn 20:00:00:25:b5:01:11:26
  member pwnn 50:06:01:60:46:e0:33:aa
```

```
zone name UIM_20000025B5011129_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:29
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011128_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:28
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011129_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:29
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011128_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:28
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011129_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:29
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011128_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:28
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011129_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:29
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011128_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:28
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112B_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2b
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112C_5006016946E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2c
  member pwwn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112B_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2b
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112C_5006016846E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2c
  member pwwn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112B_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2b
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112C_5006016046E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2c
  member pwwn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112B_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2b
  member pwwn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501112C_5006016146E033AA vsan 10
  member pwwn 20:00:00:25:b5:01:11:2c
  member pwwn 50:06:01:61:46:e0:33:aa
```

```
zoneset name UIM_ZONESET_A vsan 10
member UIM_20000025B5011112_5006016046E033AA
member UIM_20000025B5011110_5006016046E033AA
member UIM_20000025B5011112_5006016946E033AA
member UIM_20000025B5011110_5006016946E033AA
member UIM_20000025B5011112_5006016846E033AA
member UIM_20000025B5011110_5006016846E033AA
member UIM_20000025B5011112_5006016146E033AA
member UIM_20000025B5011110_5006016146E033AA
member UIM_20000025B5011115_5006016846E033AA
member UIM_20000025B5011116_5006016846E033AA
member UIM_20000025B5011115_5006016146E033AA
member UIM_20000025B5011116_5006016146E033AA
member UIM_20000025B5011115_5006016946E033AA
member UIM_20000025B5011116_5006016946E033AA
member UIM_20000025B5011115_5006016046E033AA
member UIM_20000025B5011116_5006016046E033AA
member UIM_20000025B501111A_5006016946E033AA
member UIM_20000025B5011119_5006016946E033AA
member UIM_20000025B501111A_5006016146E033AA
member UIM_20000025B5011119_5006016146E033AA
member UIM_20000025B501111A_5006016846E033AA
member UIM_20000025B5011119_5006016846E033AA
member UIM_20000025B501111A_5006016046E033AA
member UIM_20000025B5011119_5006016046E033AA
member UIM_20000025B501111D_5006016146E033AA
member UIM_20000025B501111C_5006016146E033AA
member UIM_20000025B501111D_5006016846E033AA
member UIM_20000025B501111C_5006016846E033AA
member UIM_20000025B501111D_5006016946E033AA
member UIM_20000025B501111C_5006016946E033AA
member UIM_20000025B501111D_5006016046E033AA
member UIM_20000025B501111C_5006016046E033AA
member UIM_20000025B501111F_5006016146E033AA
member UIM_20000025B5011120_5006016146E033AA
member UIM_20000025B501111F_5006016946E033AA
member UIM_20000025B5011120_5006016946E033AA
member UIM_20000025B501111F_5006016846E033AA
member UIM_20000025B5011120_5006016846E033AA
member UIM_20000025B501111F_5006016046E033AA
member UIM_20000025B5011120_5006016046E033AA
member UIM_20000025B5011123_5006016946E033AA
member UIM_20000025B5011122_5006016946E033AA
member UIM_20000025B5011123_5006016146E033AA
member UIM_20000025B5011122_5006016146E033AA
member UIM_20000025B5011123_5006016846E033AA
member UIM_20000025B5011122_5006016846E033AA
member UIM_20000025B5011123_5006016046E033AA
member UIM_20000025B5011122_5006016046E033AA
member UIM_20000025B5011125_5006016146E033AA
member UIM_20000025B5011126_5006016146E033AA
member UIM_20000025B5011125_5006016946E033AA
member UIM_20000025B5011126_5006016946E033AA
member UIM_20000025B5011125_5006016846E033AA
member UIM_20000025B5011126_5006016846E033AA
member UIM_20000025B5011125_5006016046E033AA
member UIM_20000025B5011126_5006016046E033AA
member UIM_20000025B5011129_5006016846E033AA
member UIM_20000025B5011128_5006016846E033AA
member UIM_20000025B5011129_5006016046E033AA
member UIM_20000025B5011128_5006016046E033AA
member UIM_20000025B5011129_5006016146E033AA
member UIM_20000025B5011128_5006016146E033AA
```



```
member UIM_20000025B5011128_5006016946E033AA
member UIM_20000025B501112B_5006016946E033AA
member UIM_20000025B501112C_5006016946E033AA
member UIM_20000025B501112B_5006016846E033AA
member UIM_20000025B501112C_5006016846E033AA
member UIM_20000025B501112B_5006016046E033AA
member UIM_20000025B501112C_5006016046E033AA
member UIM_20000025B501112B_5006016146E033AA
member UIM_20000025B501112C_5006016146E033AA

zoneset activate name UIM_ZONESET_A vsan 10

interface fc2/1

interface fc2/2

interface fc2/3

interface fc2/4

interface fc2/5

interface fc2/6

interface fc2/7

interface fc2/8

interface fc2/9

interface fc2/10

interface fc2/11
  no shutdown

interface fc2/12
  no shutdown

interface fc2/13

interface fc2/14

interface fc2/15

interface fc2/16

interface fc2/17

interface fc2/18

interface fc2/19

interface fc2/20

interface fc2/21

interface fc2/22

interface fc2/23

interface fc2/24
  no shutdown

interface fc2/25
```

```
no shutdown

interface fc2/26
no shutdown

interface fc2/27

interface fc2/28

interface fc2/29

interface fc2/30

interface fc2/31

interface fc2/32

interface fc2/33

interface fc2/34

interface fc2/35

interface fc2/36
no shutdown

interface fc2/37
shutdown

interface fc2/38

interface fc2/39

interface fc2/40

interface fc2/41

interface fc2/42

interface fc2/43

interface fc2/44

interface fc2/45

interface fc2/46

interface fc2/47

interface fc2/48
no shutdown

interface fc4/1

interface fc4/2

interface fc4/3

interface fc4/4

interface fc4/5

interface fc4/6
```

```
interface fc4/7

interface fc4/8

interface fc4/9

interface fc4/10

interface fc4/11

interface fc4/12

interface fc4/13

interface fc4/14

interface fc4/15

interface fc4/16

interface fc4/17

interface fc4/18

interface GigabitEthernet4/1

interface GigabitEthernet4/2

interface GigabitEthernet4/3

interface GigabitEthernet4/4

interface mgmt0
  ip address 192.168.41.51 255.255.255.0
  ip access-group 23 in
no system default switchport shutdown
```

MDS-DC-2-RUNNING

```
!Command: show running-config
!Time: Sun Apr 24 16:48:05 2011

version 5.0(4)
system default switchport mode F
feature npiv
feature privilege
feature tacacs+
role name default-role
  description This is a system defined role and applies to all users.
  rule 5 permit show feature environment
  rule 4 permit show feature hardware
  rule 3 permit show feature module
  rule 2 permit show feature snmp
  rule 1 permit show feature system
username admin password 5 <removed>    role network-admin
username retail password 5 <removed>    role network-admin
username emc-ncm password 5 <removed>    role network-admin
username bart password 5 <removed>    role network-admin
enable secret 5 <removed>
```

```

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
#

ssh login-attempts 6

ip domain-lookup
ip domain-name cisco-irn.com
ip host MDS-DC-2 192.168.41.52
ip host MDS-DC-2 192.168.41.52
tacacs-server key 7 "<removed>"
tacacs-server host 192.168.42.131
aaa group server tacacs+ CiscoACS
    server 192.168.42.131
aaa group server radius radius
snmp-server user bart network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user admin network-admin auth md5 <removed> localizedkey
snmp-server user retail network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server user emc-ncm network-admin auth md5 <removed> priv <removed> localizedkey
snmp-server host 192.168.41.101 traps version 2c public udp-port 2162
snmp-server host 192.168.42.121 traps version 3 auth public
rmon event 1 log trap public description FATAL(1) owner PMON@FATAL
rmon event 2 log trap public description CRITICAL(2) owner PMON@CRITICAL
rmon event 3 log trap public description ERROR(3) owner PMON@ERROR
rmon event 4 log trap public description WARNING(4) owner PMON@WARNING
rmon event 5 log trap public description INFORMATION(5) owner PMON@INFO
ntp server 192.168.62.161
ntp server 192.168.62.162
aaa authentication login default group CiscoACS
aaa authentication login console group CiscoACS
aaa authorization ssh-certificate default group CiscoACS
aaa accounting default group CiscoACS
aaa authentication login error-enable
ip access-list 23 permit ip 127.0.0.1 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.41.101 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.41.102 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.111 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.121 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.122 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.131 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.133 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 192.168.42.138 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 permit ip 10.19.151.99 0.0.0.0 192.168.41.52 0.0.0.0
ip access-list 23 deny ip any any log-deny
vsan database
    vsan 2 name "Promise-2"
    vsan 11 name "UIM_VSAN_B_11"
fcdomain fcid database
    vsan 1 wwn 21:01:00:e0:8b:39:35:58 fcid 0x010000 area dynamic
    vsan 1 wwn 22:03:00:0d:ec:20:2b:40 fcid 0x010100 area dynamic
    vsan 11 wwn 20:41:00:05:9b:73:17:40 fcid 0xd40000 dynamic
    vsan 11 wwn 20:42:00:05:9b:73:17:40 fcid 0xd40001 dynamic

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vsan 1 wwn 21:00:00:e0:8b:19:35:58 fcid 0x010200 area dynamic
vsan 11 wwn 50:06:01:69:46:e0:33:aa fcid 0xd400ef dynamic
vsan 11 wwn 50:06:01:68:46:e0:33:aa fcid 0xd401ef dynamic
vsan 1 wwn 26:01:00:01:55:35:7e:44 fcid 0x010300 dynamic
vsan 2 wwn 26:01:00:01:55:35:7e:44 fcid 0x890000 dynamic
vsan 2 wwn 20:64:00:0d:ec:38:76:00 fcid 0x890100 area dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:10 fcid 0xd40002 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:19 fcid 0xd40003 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:13 fcid 0xd40004 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:16 fcid 0xd40005 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:1a fcid 0xd40006 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:12 fcid 0xd40007 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:1d fcid 0xd40008 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:26 fcid 0xd40009 dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:23 fcid 0xd4000a dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:20 fcid 0xd4000b dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:2c fcid 0xd4000c dynamic
vsan 11 wwn 20:00:00:25:b5:01:11:29 fcid 0xd4000d dynamic
vsan database
vsan 11 interface fc2/24
vsan 11 interface fc2/25
vsan 11 interface fc2/26
vsan 11 interface fc2/48
clock timezone PST -8 0
clock summer-time PST 1 Sun April 02:00 5 Sun Oct 02:00 60
ip default-gateway 192.168.41.1
switchname MDS-DC-2
line vty
  session-limit 32
  exec-timeout 15
line console
  exec-timeout 15
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mz.5.0.4.bin sup-1
boot system bootflash:/m9500-sf2ek9-mz.5.0.4.bin sup-1
boot kickstart bootflash:/m9500-sf2ek9-kickstart-mz.5.0.4.bin sup-2
boot system bootflash:/m9500-sf2ek9-mz.5.0.4.bin sup-2
interface fc2/1
interface fc2/2
interface fc2/3
interface fc2/4
interface fc2/5
interface fc2/6
interface fc2/7
interface fc2/8
interface fc2/9
interface fc2/10
interface fc2/11
interface fc2/12
interface fc2/13
interface fc2/14
interface fc2/15
interface fc2/16
interface fc2/17
interface fc2/18
interface fc2/19
interface fc2/20
interface fc2/21
interface fc2/22
interface fc2/23
interface fc2/24
interface fc2/25
interface fc2/26
interface fc2/27
interface fc2/28
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interface fc2/29
interface fc2/30
interface fc2/31
interface fc2/32
interface fc2/33
interface fc2/34
interface fc2/35
interface fc2/36
interface fc2/37
interface fc2/38
interface fc2/39
interface fc2/40
interface fc2/41
interface fc2/42
interface fc2/43
interface fc2/44
interface fc2/45
interface fc2/46
interface fc2/47
interface fc2/48
logging server 192.168.42.121
logging server 192.168.42.124 6
system default zone default-zone permit
system default zone distribute full
zone default-zone permit vsan 2
zone default-zone permit vsan 11
zoneset distribute full vsan 1-2
zoneset distribute full vsan 11
!Full Zone Database Section for vsan 2
zone name global_zone vsan 2
zoneset name promise-2_zs vsan 2
    member global_zone

!Full Zone Database Section for vsan 11
zone name UIM_20000025B5011110_5006016946E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:10
    member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011112_5006016946E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:12
    member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011110_5006016046E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:10
    member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011112_5006016046E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:12
    member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011110_5006016146E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:10
    member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011112_5006016146E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:12
    member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011110_5006016846E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:10
    member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011112_5006016846E033AA vsan 11
    member pwnn 20:00:00:25:b5:01:11:12
```

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member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011116_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:16
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011115_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:15
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011116_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:16
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011115_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:15
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011116_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:16
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011115_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:15
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011116_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:16
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011115_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:15
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011119_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:19
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111A_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1a
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011119_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:19
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111A_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1a
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011119_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:19
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111A_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1a
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011119_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:19
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111A_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1a
```

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member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111D_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1d
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111C_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1c
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111D_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1d
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111C_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1c
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111D_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1d
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111C_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1c
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111D_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1d
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111C_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1c
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011120_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:20
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501111F_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1f
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011120_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:20
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501111F_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1f
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011120_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:20
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501111F_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1f
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011120_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:20
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501111F_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:1f
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member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011122_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:22
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011123_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:23
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011122_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:22
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011123_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:23
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011122_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:22
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011123_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:23
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011122_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:22
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011123_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:23
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011126_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:26
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011125_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:25
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011126_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:26
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011125_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:25
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011126_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:26
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011125_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:25
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011126_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:26
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011125_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:25
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member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011128_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:28
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011129_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:29
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B5011128_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:28
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011129_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:29
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B5011128_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:28
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011129_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:29
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B5011128_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:28
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B5011129_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:29
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112C_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2c
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112B_5006016046E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2b
member pwnn 50:06:01:60:46:e0:33:aa

zone name UIM_20000025B501112C_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2c
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112B_5006016946E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2b
member pwnn 50:06:01:69:46:e0:33:aa

zone name UIM_20000025B501112C_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2c
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112B_5006016846E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2b
member pwnn 50:06:01:68:46:e0:33:aa

zone name UIM_20000025B501112C_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2c
member pwnn 50:06:01:61:46:e0:33:aa

zone name UIM_20000025B501112B_5006016146E033AA vsan 11
member pwnn 20:00:00:25:b5:01:11:2b
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member pwnn 50:06:01:61:46:e0:33:aa

zoneset name UIM_ZONESET_B vsan 11
member UIM_20000025B5011110_5006016946E033AA
member UIM_20000025B5011112_5006016946E033AA
member UIM_20000025B5011110_5006016046E033AA
member UIM_20000025B5011112_5006016046E033AA
member UIM_20000025B5011110_5006016146E033AA
member UIM_20000025B5011112_5006016146E033AA
member UIM_20000025B5011110_5006016846E033AA
member UIM_20000025B5011112_5006016846E033AA
member UIM_20000025B5011116_5006016046E033AA
member UIM_20000025B5011115_5006016046E033AA
member UIM_20000025B5011116_5006016946E033AA
member UIM_20000025B5011115_5006016946E033AA
member UIM_20000025B5011116_5006016846E033AA
member UIM_20000025B5011115_5006016846E033AA
member UIM_20000025B5011116_5006016146E033AA
member UIM_20000025B5011115_5006016146E033AA
member UIM_20000025B5011119_5006016146E033AA
member UIM_20000025B501111A_5006016146E033AA
member UIM_20000025B5011119_5006016046E033AA
member UIM_20000025B501111A_5006016046E033AA
member UIM_20000025B5011119_5006016946E033AA
member UIM_20000025B501111A_5006016946E033AA
member UIM_20000025B5011119_5006016846E033AA
member UIM_20000025B501111A_5006016846E033AA
member UIM_20000025B501111D_5006016146E033AA
member UIM_20000025B501111C_5006016146E033AA
member UIM_20000025B501111D_5006016846E033AA
member UIM_20000025B501111C_5006016846E033AA
member UIM_20000025B501111D_5006016946E033AA
member UIM_20000025B501111C_5006016946E033AA
member UIM_20000025B501111D_5006016046E033AA
member UIM_20000025B501111C_5006016046E033AA
member UIM_20000025B5011120_5006016846E033AA
member UIM_20000025B501111F_5006016846E033AA
member UIM_20000025B5011120_5006016146E033AA
member UIM_20000025B501111F_5006016146E033AA
member UIM_20000025B5011120_5006016046E033AA
member UIM_20000025B501111F_5006016046E033AA
member UIM_20000025B5011120_5006016946E033AA
member UIM_20000025B501111F_5006016946E033AA
member UIM_20000025B5011122_5006016946E033AA
member UIM_20000025B5011123_5006016946E033AA
member UIM_20000025B5011122_5006016146E033AA
member UIM_20000025B5011123_5006016146E033AA
member UIM_20000025B5011122_5006016046E033AA
member UIM_20000025B5011123_5006016046E033AA
member UIM_20000025B5011122_5006016846E033AA
member UIM_20000025B5011123_5006016846E033AA
member UIM_20000025B5011126_5006016846E033AA
member UIM_20000025B5011125_5006016846E033AA
member UIM_20000025B5011126_5006016946E033AA
member UIM_20000025B5011125_5006016946E033AA
member UIM_20000025B5011126_5006016146E033AA
member UIM_20000025B5011125_5006016146E033AA
member UIM_20000025B5011126_5006016046E033AA
member UIM_20000025B5011125_5006016046E033AA
member UIM_20000025B5011128_5006016946E033AA
member UIM_20000025B5011129_5006016946E033AA
member UIM_20000025B5011128_5006016046E033AA
member UIM_20000025B5011129_5006016046E033AA
member UIM_20000025B5011128_5006016146E033AA
```

```
member UIM_20000025B5011129_5006016146E033AA
member UIM_20000025B5011128_5006016846E033AA
member UIM_20000025B5011129_5006016846E033AA
member UIM_20000025B501112C_5006016046E033AA
member UIM_20000025B501112B_5006016046E033AA
member UIM_20000025B501112C_5006016946E033AA
member UIM_20000025B501112B_5006016946E033AA
member UIM_20000025B501112C_5006016846E033AA
member UIM_20000025B501112B_5006016846E033AA
member UIM_20000025B501112C_5006016146E033AA
member UIM_20000025B501112B_5006016146E033AA
```

```
zoneset activate name UIM_ZONESET_B vsan 11
```

```
interface fc2/1
```

```
interface fc2/2
```

```
interface fc2/3
```

```
interface fc2/4
```

```
interface fc2/5
```

```
interface fc2/6
```

```
interface fc2/7
```

```
interface fc2/8
```

```
interface fc2/9
```

```
interface fc2/10
```

```
interface fc2/11
```

```
interface fc2/12
```

```
interface fc2/13
```

```
interface fc2/14
```

```
interface fc2/15
```

```
interface fc2/16
```

```
interface fc2/17
```

```
interface fc2/18
```

```
interface fc2/19
```

```
interface fc2/20
```

```
interface fc2/21
```

```
interface fc2/22
```

```
interface fc2/23
```

```
interface fc2/24
```

```
interface fc2/25
```

```
interface fc2/26

interface fc2/27

interface fc2/28

interface fc2/29

interface fc2/30

interface fc2/31

interface fc2/32

interface fc2/33

interface fc2/34

interface fc2/35

interface fc2/36

interface fc2/37

interface fc2/38

interface fc2/39

interface fc2/40

interface fc2/41

interface fc2/42

interface fc2/43

interface fc2/44

interface fc2/45

interface fc2/46

interface fc2/47

interface fc2/48

interface mgmt0
  ip address 192.168.41.52 255.255.255.0
  ip access-group 23 in
no system default switchport shutdown
```

Internet Edge

WAN

RIE-1

```
Building configuration...
No l4r_shim subsystem is included in this platform.

Current configuration : 16789 bytes
!
! Last configuration change at 16:43:41 PST Thu Dec 6 2012 by bmcgloth
! NVRAM config last updated at 16:45:21 PST Thu Dec 6 2012 by bmcgloth
!
version 15.3
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RIE-1
!
boot-start-marker
boot-end-marker
!
!
vrf definition Mgmt-intf
!
address-family ipv4
exit-address-family
!
address-family ipv6
exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 4 4mpXLtxxAt3wHwQsfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
server name PRIMARY
ip tacacs source-interface GigabitEthernet0/0/1
!
aaa authentication login COMPLIANCE group PRIMARY1 local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
action-type start-stop
group tacacs+
```

```

!
aaa accounting commands 15 default
  action-type start-stop
  group tacacs+
!
aaa accounting system default
  action-type start-stop
  group tacacs+
!
!
!
!
!
!
aaa session-id common
clock timezone PST -8 0
clock summer-time PST recurring
!
!
!
!

no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
!
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
no ipv6 source-route
ipv6 unicast-routing
ipv6 multicast rpf use-bgp
!
!
multilink bundle-name authenticated
password encryption aes
!
crypto pki trustpoint TP-self-signed-2651906707
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-2651906707
  revocation-check none
  rsakeypair TP-self-signed-2651906707
!
!
crypto pki certificate chain TP-self-signed-2651906707
  certificate self-signed 01
    3082022B 30820194 A0030201 02020101 300D0609 2A864886 F70D0101 05050030
    31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 32363531 39303637 3037301E 170D3132 31313036 31323232
    33355A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
    4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 36353139
    30363730 3730819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
    8100AECB 6BFA1E96 248A2BFB E7B5D97E 9E9F99B1 4A2A7548 89CBC154 14CA1328
    5625CD4E 0E7F9D0F 8B0A76D7 48B1A6EB 264E67FE 70BBC476 B21A22C7 6431842D
    E5C6FBD1 3E0BBBDF 73A3088C BA6B8172 C32D446F 406F1269 0C4638D5 A422A709
    7AF6DCCE 8ACE5CD8 D686075C 46E44292 308E3E34 EFA13429 E198C0CA E8FE7300
    2A130203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF 301F0603
    551D2304 18301680 14EB092C 62224E75 39C28FA2 B39CD19D 58235B24 FB301D06
    03551D0E 04160414 EB092C62 224E7539 C28FA2B3 9CD19D58 235B24FB 300D0609

```

```

2A864886 F70D0101 05050003 81810077 4AF3549B 69563163 6AB2398F 3068F49F
48284235 25D42BF2 A4C45F09 17AF8EFF 5C92A80E 50AD61C8 C309E328 AE7EA370
02CCC23E 31F1034D 69A35747 C954DFA1 0F08DB33 081F69B4 43D00153 33F03918
68B2FD17 7070FA3C 344CB4D9 AFFE2671 3B7087F0 177F7AF2 DF3F9B1D 08144FC0
1F42863C 4948E425 DFF1C657 1B37D6
quit
archive
log config
logging enable
notify syslog contenttype plaintext
hidekeys
!
!
!
!
!
!
username retail privilege 15 secret 4 <removed>
username bart privilege 15 secret 4 <removed>
username emc-ncm privilege 15 secret 4 <removed>
username bmcgloth privilege 15 secret 4 <removed>
username csmadmin privilege 15 secret 4 <removed>
username ciscolms privilege 15 secret 4 <removed>
!
redundancy
mode none
!
!
!
ip ssh version 2
ip scp server enable
!
policy-map COPPr
class class-default
police 8000
!
!
!
!
!
!
!
interface GigabitEthernet0/0/0
no ip address
shutdown
negotiation auto
!
interface GigabitEthernet0/0/1
description link to RIE-3 G1/1
ip address 192.168.22.11 255.255.255.0
ip access-group INTERNAL-FILTER-IN in
standby version 2
standby 1 ip 192.168.22.10
standby 1 priority 105
standby 1 preempt
standby 1 authentication TheCure
standby 2 ipv6 2001:DB8:192:22::10/64
standby 2 priority 105
standby 2 preempt
standby 2 authentication TheCure
speed 1000
no negotiation auto
ipv6 address 2001:DB8:192:22::11/64

```



```

    ipv6 verify unicast source reachable-via rx
    ipv6 traffic-filter IPv6-INTERNAL-FILTER-IN in
    !
interface GigabitEthernet0/0/2
    description link to RIE-4 G1/1
    no ip address
    shutdown
    speed 1000
    no negotiation auto
    !
interface GigabitEthernet0/0/3
    description Link to RSP-3 G0/2
    ip address 10.10.3.6 255.255.255.0
    ip access-group COARSE-FILTER-INTERNET-IN in
    ip access-group COARSE-FILTER-INTERNET-OUT out
    speed 1000
    no negotiation auto
    ipv6 address 2001:DB8:1010:3::6/64
    no ipv6 redirects
    ipv6 verify unicast source reachable-via rx allow-default
    ipv6 traffic-filter IPv6-COARSE-FILTER-INTERNET-IN in
    ipv6 traffic-filter IPv6-COARSE-FILTER-INTERNET-OUT out
    !
interface GigabitEthernet0/0/4
    no ip address
    shutdown
    negotiation auto
    !
interface GigabitEthernet0/0/5
    no ip address
    shutdown
    negotiation auto
    !
interface GigabitEthernet0
    vrf forwarding Mgmt-intf
    no ip address
    shutdown
    negotiation auto
    !
no ip forward-protocol nd
    !
no ip http server
no ip http secure-server
ip route 0.0.0.0 0.0.0.0 10.10.3.1
ip route 10.10.0.0 255.255.0.0 192.168.22.1
ip route 10.10.0.0 255.255.255.0 10.10.3.1
ip route 10.10.4.0 255.255.255.0 192.168.22.12
ip route 192.168.0.0 255.255.0.0 192.168.22.1
ip tacacs source-interface GigabitEthernet0/0/1
    !
ip access-list extended COARSE-FILTER-INTERNET-IN
    remark ---Temporary LAB permit - will remove from PCI GUIDE---
    permit ip 10.0.0.0 0.255.255.255 10.0.0.0 0.255.255.255
    permit ip 10.0.0.0 0.255.255.255 192.168.0.0 0.0.255.255
    permit ip 172.16.0.0 0.15.255.255 10.0.0.0 0.255.255.255
    permit ip 172.16.0.0 0.15.255.255 192.168.0.0 0.0.255.255
    remark -----
    remark ---Block Private Networks---
    deny ip 10.0.0.0 0.255.255.255 any log
    deny ip 172.16.0.0 0.15.255.255 any log
    deny ip 192.168.0.0 0.0.255.255 any
    remark -
    remark ---Block Autoconfiguration Networks---
    deny ip 169.254.0.0 0.0.255.255 any log

```

```

remark -
remark ---Block Loopback Networks---
deny ip 127.0.0.0 0.0.255.255 any log
remark -
remark ---Block Multicast Networks---
deny ip 224.0.0.0 15.255.255.255 any log
remark -
remark ---Block Traffic targeted at DMZ Network Edge Devices---
deny ip any 192.168.22.0 0.0.0.255 log
remark -
remark ---Block Spoofing of your networks---
remark enter your IP block here
remark ---Permit all other traffic---
permit ip any any
ip access-list extended COARSE-FILTER-INTERNET-OUT
remark ---Block private networks from reaching Internet---
remark ---Temporary LAB permit - will remove from PCI GUIDE---
permit ip any any
remark -----
remark ---Block Private Networks---
deny ip 10.0.0.0 0.255.255.255 any log
deny ip 172.16.0.0 0.15.255.255 any log
deny ip 192.168.0.0 0.0.255.255 any log
remark -
remark ---Block Autoconfiguration Networks---
deny ip 169.254.0.0 0.0.255.255 any log
remark -
remark ---Block Loopback Networks---
deny ip 127.0.0.0 0.0.255.255 any log
remark -
remark ---Block Multicast Networks---
deny ip 224.0.0.0 15.255.255.255 any log
remark -
remark ---Block Traffic targeted at DMZ Network Edge Devices---
deny ip any 192.168.22.0 0.0.0.255 log
remark -
remark ---Permit all other traffic---
permit tcp any any
permit udp any any
permit icmp any any
ip access-list extended INTERNAL-FILTER-IN
remark -----
remark ---Permit Admin Management---
permit icmp any any
permit tcp host 192.168.41.101 host 192.168.22.11 eq 22 log
permit tcp host 192.168.41.102 host 192.168.22.11 eq 22 log
permit tcp host 192.168.42.122 host 192.168.22.11 eq 22 log
permit tcp host 192.168.42.124 host 192.168.22.11 eq 22 log
permit tcp host 192.168.42.131 eq tacacs host 192.168.22.11
permit tcp host 192.168.42.133 host 192.168.22.11 eq 22 log
permit tcp host 192.168.42.139 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.104 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.102 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.103 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.100 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.101 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.98 host 192.168.22.11 eq 22 log
permit tcp host 10.19.151.99 host 192.168.22.11 eq 22 log
permit udp host 192.168.42.122 host 192.168.22.11 eq snmp
permit udp host 192.168.42.124 host 192.168.22.11 eq snmp
permit udp host 192.168.42.133 host 192.168.22.11 eq snmp
permit udp host 192.168.42.139 host 192.168.22.11 eq snmp
remark -
remark ---Permit HSRP V2 packets---

```

```

permit udp host 192.168.22.12 host 224.0.0.102 eq 1985
remark -
remark ---Deny other connections to Edge Router---
deny ip any host 192.168.22.11 log
deny ip any host 192.168.22.10 log
deny ip any host 10.10.0.3 log
remark -
remark ---Permit all other traffic to Internet---
permit ip any any
!
logging trap debugging
logging source-interface GigabitEthernet0/0/1
logging host 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 192.168.42.139 log
access-list 23 permit 10.19.151.104 log
access-list 23 permit 10.19.151.102 log
access-list 23 permit 10.19.151.103 log
access-list 23 permit 10.19.151.100 log
access-list 23 permit 10.19.151.101 log
access-list 23 permit 10.19.151.98 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
ipv6 route 2001:DB8:192::/48 2001:DB8:192:22::1
ipv6 route ::/0 2001:DB8:1010:3::1
!
snmp-server group V3Group v3 priv read V3Read write V3Write
snmp-server view V3Read iso included
snmp-server view V3Write iso included
snmp-server trap-source GigabitEthernet0/0/1
snmp-server packet-size 8192
snmp-server location Building SJC-17-1 Aisle 1 Rack 1
snmp-server contact Bart McGlothin
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps flash insertion removal
snmp-server host 192.168.42.134 version 3 priv <removed>
snmp-server host 192.168.42.139 version 3 priv <removed>
snmp-server host 192.168.42.133 version 3 priv <removed>
!
tacacs server PRIMARY
address ipv4 192.168.42.131
key 7 <removed>
!
!
ipv6 access-list BLOCKALL-IPv6
deny ipv6 any any log

```

```

!
ipv6 access-list IPv6-COARSE-FILTER-INTERNET-IN
remark ---Temporary LAB permit for use of documentation IPv6 space---
permit ipv6 2001:DB8::/32 2001:DB8::/32
remark -----
remark ---Block all traffic DHCP server -> client---
deny udp any eq 547 any eq 546
remark ---Block all traffic DHCP client -> server---
deny udp any eq 546 any eq 547
remark ---Block all traffic Routing Header Type 0---
deny ipv6 any any routing-type 0
remark -
remark ---Accept all ICMPv6 packets for Neighbor Discovery and Path MTU Discovery ---
permit icmp any any nd-na
permit icmp any any nd-ns
permit icmp any any router-advertisement
permit icmp any any router-solicitation
permit icmp any any packet-too-big
permit icmp any any destination-unreachable
permit icmp any any unreachable
permit icmp any any no-route
permit icmp any any echo-reply
permit icmp any any echo-request
permit icmp any any time-exceeded
permit icmp any any parameter-problem
permit icmp any any mld-query
permit icmp any any mld-reduction
permit icmp any any mld-report
permit icmp any any port-unreachable
remark --
remark ---Block IETF Documentation Network---
deny ipv6 2001:DB8::/32 any
remark ---
remark ---Block Spoofing of Your Networks---
deny ipv6 2001:DB8:192::/48 any
remark ----
remark ---Block Traffic targeted at DMZ Network Edge Devices---
deny ipv6 any 2001:DB8:192:22::/64 log
remark -----
remark ---Permit Only Assigned Networks to Your Network---
permit ipv6 2000::/3 2001:DB8:192::/48
!
ipv6 access-list IPv6-COARSE-FILTER-INTERNET-OUT
remark ---Temporary LAB permit for use of documentation IPv6 space---
permit ipv6 2001:DB8::/32 2001:DB8::/32
remark -----
remark ---Block private networks from reaching Internet---
remark ---Block IETF reserved Networks---
deny ipv6 FEC0::/10 any log
deny ipv6 FC00::/7 any log
deny ipv6 host :: any log
deny ipv6 ::/96 any log
deny ipv6 ::/8 any log
deny ipv6 ::FFFF:0.0.0.0/96 any log
deny ipv6 2001:DB8::/32 any log
remark -
remark ---Block Loopback Address---
deny ipv6 host ::1 any log
remark --
remark ---Block Multicast Networks---
deny ipv6 FE00::/7 any log
remark ---
remark ---Alternate is to Permit Traffic From My Network to Assigned Networks---
remark ----

```

```

permit ipv6 2001:DB8:192::/48 2000::/3
remark -----
remark ---Explicit Deny for All Other Networks and Log---
deny ipv6 any any log
!
ipv6 access-list IPv6-INTERNAL-FILTER-IN
remark -----
permit icmp any any
remark -
remark ---Permit HSRP V2 packets---
permit udp host 2001:DB8:192:22::12 eq 2029 host FF02::66 eq 2029
permit udp host FE80::E6D3:F1FF:FE77:A202 eq 2029 host FF02::66 eq 2029
remark ---Deny other connections to Edge Router---
deny ipv6 any 2001:DB8:192:22::/64 log
remark ---Permit My Network Traffic to Assigned Networks---
permit ipv6 2001:DB8:192::/48 2000::/3
!
control-plane
!
banner exec ^CCC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

^C
banner incoming ^CCC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

^C
banner login ^CCC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication COMPLIANCE
 stopbits 1

```

```

line aux 0
  session-timeout 1  output
  exec-timeout 0 1
  privilege level 0
  no exec
  transport preferred none
  transport output none
  stopbits 1
line vty 0 4
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  ipv6 access-class BLOCKALL-IPv6 in
  logging synchronous
  login authentication COMPLIANCE
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  ipv6 access-class BLOCKALL-IPv6 in
  logging synchronous
  login authentication COMPLIANCE
  transport preferred none
  transport input ssh
  transport output none
!
ntp source GigabitEthernet0/0/3
ntp server 171.68.10.80 prefer
ntp server 171.68.10.150
!
!
end

```

RIE-2

```

Building configuration...
No l4r_shim subsystem is included in this platform.

Current configuration : 15119 bytes
!
! Last configuration change at 14:30:46 PST Fri Nov 30 2012 by bmcgloth
!
version 15.3
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RIE-2
!
boot-start-marker
boot-end-marker
!

```

```

!
vrf definition Mgmt-intf
!
  address-family ipv4
  exit-address-family
!
  address-family ipv6
  exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 4 4mpXLtxxAt3wHwQSfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
  server name PRIMARY
  ip tacacs source-interface GigabitEthernet0/0/2
!
aaa authentication login COMPLIANCE group PRIMARY1 local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
  action-type start-stop
  group tacacs+
!
aaa accounting commands 15 default
  action-type start-stop
  group tacacs+
!
aaa accounting system default
  action-type start-stop
  group tacacs+
!
!
!
!
!
!
aaa session-id common
clock timezone PST -8 0
clock summer-time PST recurring
!
!
!
!
!

no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
!
!
!

login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
no ipv6 source-route

```

```

ipv6 unicast-routing
ipv6 multicast rpf use-bgp
!
!
multilink bundle-name authenticated
password encryption aes
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
!
!
!
!
!
username retail privilege 15 secret 4 4mpXLtxxAt3wHwQSfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
username bart privilege 15 secret 4 y.Hu5omquu3STdi3Z65rJiGARfomMTMWv75ITNG12f2
username emc-ncm privilege 15 secret 4 4mpXLtxxAt3wHwQSfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
username bmcgloth privilege 15 secret 4 y.Hu5omquu3STdi3Z65rJiGARfomMTMWv75ITNG12f2
username csmadmin privilege 15 secret 4 4mpXLtxxAt3wHwQSfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
username ciscolms privilege 15 secret 4 4mpXLtxxAt3wHwQSfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
!
redundancy
 mode none
!
!
!
ip ssh version 2
ip scp server enable
!
policy-map COPPr
 class class-default
  police 8000
!
!
!
!
!
!
!
interface GigabitEthernet0/0/0
 no ip address
 shutdown
 negotiation auto
!
interface GigabitEthernet0/0/1
 description link to RIE-3 G1/2
 no ip address
 shutdown
 negotiation auto
!
interface GigabitEthernet0/0/2
 description link to RIE-4 G1/2
 ip address 192.168.22.12 255.255.255.0
 ip access-group INTERNAL-FILTER-IN in
 standby version 2
 standby 1 ip 192.168.22.10
 standby 1 authentication TheCure
 standby 2 ipv6 2001:DB8:192:22::10/64

```



```

standby 2 authentication TheCure
negotiation auto
ipv6 address 2001:DB8:192:22::12/64
ipv6 verify unicast source reachable-via rx
ipv6 traffic-filter IPv6-INTERNAL-FILTER-IN in
!
interface GigabitEthernet0/0/3
description Link to RSP-4 G0/2

RIE-2#
RIE-2#
RIE-2#
RIE-2#
RIE-2#sh tech
RIE-2#sh tech-support ?
    cef          CEF related information
    ipc          IPC related information
    ipmulticast  IP multicast related information
    isis         CLNS and ISIS related information
    mfib         MFIB related information
    ospf         OSPF related information
    page         Page through output
    password     Include passwords
    rsvp         IP RSVP related information
    vrrp         VRRP related information
    wccp         WCCP related information
    |           Output modifiers
    <cr>

RIE-2#sh tech-support page
RIE-2#sh tech-support page

----- show clock -----

*14:03:13.372 PST Wed Jan 30 2013

----- show version -----

Cisco IOS Software, IOS-XE Software (X86_64_LINUX_IOSD-UNIVERSALK9-M), Version 15.3(1)S,
RELEASE SOFTWARE (fc4)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2012 by Cisco Systems, Inc.
Compiled Tue 27-Nov-12 11:16 by mcpre

IOS XE Version: 03.08.00.S

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documentation or "License Notice" file accompanying the IOS-XE software,
or the applicable URL provided on the flyer accompanying the IOS-XE
software.

ROM: IOS-XE ROMMON

RIE-2 uptime is 8 weeks, 5 days, 2 hours, 32 minutes
Uptime for this control processor is 8 weeks, 5 days, 2 hours, 34 minutes
System returned to ROM by reload at 11:27:32 PST Fri Nov 30 2012

```

System image file is "bootflash:/asr1002x-universalk9.03.08.00.S.153-1.S.SPA.bin"
 Last reload reason: Reload Command

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

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If you require further assistance please contact us by sending email to export@cisco.com.

License Level: ipbase
 License Type: Default. No valid license found.
 Next reload license Level: ipbase

cisco ASR1002-X (2RU-X) processor with 1140957K/6147K bytes of memory.
 Processor board ID SSI16150DLD
 6 Gigabit Ethernet interfaces
 32768K bytes of non-volatile configuration memory.
 4194304K bytes of physical memory.
 6684671K bytes of eUSB flash at bootflash:.

Configuration register is 0x2102

----- show running-config -----

Building configuration...
 No l4r_shim subsystem is included in this platform.

```
Current configuration : 14907 bytes
!
! Last configuration change at 14:30:46 PST Fri Nov 30 2012 by bmcgloth
!
version 15.3
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
no platform punt-keepalive disable-kernel-core
!
hostname RIE-2
!
boot-start-marker
boot-end-marker
!
!
vrf definition Mgmt-intf
!
  address-family ipv4
  exit-address-family
```

```

!
address-family ipv6
exit-address-family
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 4 4mpXLtxxAt3wHwQSfKdYXXs2NGTp5BcHyPEnpZ9P/Tk
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
server name PRIMARY
ip tacacs source-interface GigabitEthernet0/0/2
!
aaa authentication login COMPLIANCE group PRIMARY1 local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
action-type start-stop
group tacacs+
!
aaa accounting commands 15 default
action-type start-stop
group tacacs+
!
aaa accounting system default
action-type start-stop
group tacacs+
!
!
!
!
!
!
aaa session-id common
clock timezone PST -8 0
clock summer-time PST recurring
!
!
!
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
!
!
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
no ipv6 source-route
ipv6 unicast-routing
ipv6 multicast rpf use-bgp
!
!
multilink bundle-name authenticated

```

```

password encryption aes
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
!
!
!
!
!
!
username retail privilege 15 secret 4 <removed>
username bart privilege 15 secret 4 <removed>
username emc-ncm privilege 15 secret 4 <removed>
username bmcgloth privilege 15 secret 4 <removed>
username csmadmin privilege 15 secret 4 <removed>
username ciscocols privilege 15 secret 4 <removed>
!
redundancy
  mode none
!
!
!
ip ssh version 2
ip scp server enable
!
policy-map COPPr
  class class-default
    police 8000
!
!
!
!
!
!
!
interface GigabitEthernet0/0/0
  no ip address
  shutdown
  negotiation auto
!
interface GigabitEthernet0/0/1
  description link to RIE-3 G1/2
  no ip address
  shutdown
  negotiation auto
!
interface GigabitEthernet0/0/2
  description link to RIE-4 G1/2
  ip address 192.168.22.12 255.255.255.0
  ip access-group INTERNAL-FILTER-IN in
  standby version 2
  standby 1 ip 192.168.22.10
  standby 1 authentication TheCure
  standby 2 ipv6 2001:DB8:192:22::10/64
  standby 2 authentication TheCure
  negotiation auto
  ipv6 address 2001:DB8:192:22::12/64
  ipv6 verify unicast source reachable-via rx
  ipv6 traffic-filter IPv6-INTERNAL-FILTER-IN in

```

```

!
interface GigabitEthernet0/0/3
  description Link to RSP-4 G0/2
  ip address 10.10.4.6 255.255.255.0
  ip access-group COARSE-FILTER-INTERNET-IN in
  ip access-group COARSE-FILTER-INTERNET-OUT out
  negotiation auto
  ipv6 address 2001:DB8:1010:4::6/64
  no ipv6 redirects
  ipv6 verify unicast source reachable-via rx
  ipv6 traffic-filter IPv6-COARSE-FILTER-INTERNET-IN in
  ipv6 traffic-filter IPv6-COARSE-FILTER-INTERNET-OUT out
!
interface GigabitEthernet0/0/4
  no ip address
  shutdown
  negotiation auto
!
interface GigabitEthernet0/0/5
  no ip address
  shutdown
  negotiation auto
!
interface GigabitEthernet0
  vrf forwarding Mgmt-intf
  no ip address
  shutdown
  negotiation auto
!
no ip forward-protocol nd
!
no ip http server
no ip http secure-server
ip route 0.0.0.0 0.0.0.0 10.10.4.1
ip route 10.10.0.0 255.255.0.0 192.168.22.1
ip route 10.10.0.0 255.255.255.0 10.10.4.1
ip route 10.10.3.0 255.255.255.0 192.168.22.11
ip route 192.168.0.0 255.255.0.0 192.168.22.1
!
ip access-list extended COARSE-FILTER-INTERNET-IN
  remark ---Temporary LAB permit - will remove from PCI GUIDE---
  permit ip 10.0.0.0 0.255.255.255 10.0.0.0 0.255.255.255
  permit ip 10.0.0.0 0.255.255.255 192.168.0.0 0.0.255.255
  permit ip 172.16.0.0 0.15.255.255 10.0.0.0 0.255.255.255
  permit ip 172.16.0.0 0.15.255.255 192.168.0.0 0.0.255.255
  remark -----
  remark ---Block Private Networks---
  deny ip 10.0.0.0 0.255.255.255 any log
  deny ip 172.16.0.0 0.15.255.255 any log
  deny ip 192.168.0.0 0.0.255.255 any log
  remark -
  remark ---Block Autoconfiguration Networks---
  deny ip 169.254.0.0 0.0.255.255 any log
  remark -
  remark ---Block Loopback Networks---
  deny ip 127.0.0.0 0.0.255.255 any log
  remark -
  remark ---Block Multicast Networks---
  deny ip 224.0.0.0 15.255.255.255 any log
  remark -
  remark ---Block Traffic targeted at DMZ Network Edge Devices---
  deny ip any 192.168.22.0 0.0.0.255 log
  remark -
  remark ---Block Spoofing of your networks---

```

```

remark enter your IP block here
deny ip 192.168.20.0 0.0.0.255 any
remark --
remark ---Permit all other traffic---
permit ip any any
ip access-list extended COARSE-FILTER-INTERNET-OUT
remark ---Block private networks from reaching Internet---
remark ---Temporary LAB permit - will remove from PCI GUIDE---
permit ip any any
remark -----
remark ---Block Private Networks---
deny ip 10.0.0.0 0.255.255.255 any log
deny ip 172.16.0.0 0.15.255.255 any log
deny ip 192.168.0.0 0.0.255.255 any log
remark -
remark ---Block Autoconfiguration Networks---
deny ip 169.254.0.0 0.0.255.255 any log
remark -
remark ---Block Loopback Networks---
deny ip 127.0.0.0 0.0.255.255 any log
remark -
remark ---Block Multicast Networks---
deny ip 224.0.0.0 15.255.255.255 any log
remark -
remark ---Block Traffic targeted at DMZ Network Edge Devices---
deny ip any 192.168.22.0 0.0.0.255 log
remark -
remark ---Permit all other traffic---
permit tcp any any
permit udp any any
permit icmp any any
ip access-list extended INTERNAL-FILTER-IN
remark -----
remark ---Permit Admin Management---
permit icmp any any
permit tcp host 192.168.41.101 host 192.168.22.12 eq 22 log
permit tcp host 192.168.41.102 host 192.168.22.12 eq 22 log
permit tcp host 192.168.42.122 host 192.168.22.12 eq 22 log
permit tcp host 192.168.42.124 host 192.168.22.12 eq 22 log
permit tcp host 192.168.42.131 eq tacacs host 192.168.22.12
permit tcp host 192.168.42.133 host 192.168.22.12 eq 22 log
permit tcp host 192.168.42.139 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.104 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.102 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.103 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.100 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.101 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.98 host 192.168.22.12 eq 22 log
permit tcp host 10.19.151.99 host 192.168.22.12 eq 22 log
permit udp host 192.168.42.122 host 192.168.22.12 eq snmp
permit udp host 192.168.42.124 host 192.168.22.12 eq snmp
permit udp host 192.168.42.133 host 192.168.22.12 eq snmp
permit udp host 192.168.42.139 host 192.168.22.12 eq snmp
remark -
remark ---Permit HSRP V2 packets---
permit udp host 192.168.22.11 host 224.0.0.102 eq 1985
remark -
remark ---Deny other connections to Edge Router---
deny ip any host 192.168.22.12 log
deny ip any host 192.168.22.10 log
deny ip any host 10.10.0.3 log
remark -
remark ---Permit all other traffic to Internet---
permit ip any any

```

```

!
logging trap debugging
logging source-interface GigabitEthernet0/0/2
logging host 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 192.168.42.139 log
access-list 23 permit 10.19.151.104 log
access-list 23 permit 10.19.151.102 log
access-list 23 permit 10.19.151.103 log
access-list 23 permit 10.19.151.100 log
access-list 23 permit 10.19.151.101 log
access-list 23 permit 10.19.151.98 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
ipv6 route 2001:DB8:192::/48 2001:DB8:192:22::1
ipv6 route ::/0 2001:DB8:1010:4::1
!
snmp-server group V3Group v3 priv read V3Read write V3Write
snmp-server view V3Read iso included
snmp-server view V3Write iso included
snmp-server trap-source GigabitEthernet0/0/2
snmp-server packet-size 8192
snmp-server location Building SJC-17-1 Aisle 1 Rack 1
snmp-server contact Bart McGlothin
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps flash insertion removal
snmp-server host 192.168.42.134 version 3 priv <removed>
snmp-server host 192.168.42.139 version 3 priv <removed>
snmp-server host 192.168.42.133 version 3 priv <removed>
!
tacacs server PRIMARY
 address ipv4 192.168.42.131
 key 7 <removed>
!
!
ipv6 access-list BLOCKALL-IPv6
 deny ipv6 any any log
!
ipv6 access-list IPv6-COARSE-FILTER-INTERNET-IN
 remark -----
 remark ---Block all traffic DHCP server -> client---
 deny udp any eq 547 any eq 546
 remark ---Block all traffic DHCP client -> server---
 deny udp any eq 546 any eq 547
 remark ---Block all traffic Routing Header Type 0---
 deny ipv6 any any routing-type 0

```

```

remark -
remark ---Accept all ICMPv6 packets for Neighbor Discovery and Path MTU Discovery ---
permit icmp any any nd-na
permit icmp any any nd-ns
permit icmp any any router-advertisement
permit icmp any any router-solicitation
permit icmp any any packet-too-big
permit icmp any any destination-unreachable
permit icmp any any unreachable
permit icmp any any no-route
permit icmp any any echo-reply
permit icmp any any echo-request
permit icmp any any time-exceeded
permit icmp any any parameter-problem
permit icmp any any mld-query
permit icmp any any mld-reduction
permit icmp any any mld-report
permit icmp any any port-unreachable
remark --
remark ---Block IETF Documentation Network---
remark - deny ipv6 2001:DB8::/32 any - need for Lab validation
remark ---
remark ---Block Spoofing of Your Networks---
deny ipv6 2001:DB8:192::/48 any
remark ----
remark ---Block Traffic targeted at DMZ Network Edge Devices---
deny ipv6 any 2001:DB8:192:22::/64 log
remark -----
remark ---Permit Only Assigned Networks to Your Network---
permit ipv6 2000::/3 2001:DB8:192::/48
!
ipv6 access-list IPv6-COARSE-FILTER-INTERNET-OUT
remark ---Temporary LAB permit for use of documentation IPv6 space---
permit ipv6 2001:DB8::/32 2001:DB8::/32
remark -----
remark ---Block private networks from reaching Internet---
remark ---Block IETF reserved Networks---
deny ipv6 FEC0::/10 any log
deny ipv6 FC00::/7 any log
deny ipv6 host :: any log
deny ipv6 ::/96 any log
deny ipv6 ::/8 any log
deny ipv6 ::FFFF:0.0.0.0/96 any log
deny ipv6 2001:DB8::/32 any log
remark -
remark ---Block Loopback Address---
deny ipv6 host ::1 any log
remark --
remark ---Block Multicast Networks---
deny ipv6 FE00::/7 any log
remark ---
remark ---Alternate is to Permit Traffic From My Network to Assigned Networks---
remark ----
permit ipv6 2001:DB8:192::/48 2000::/3
remark -----
remark ---Explicit Deny for All Other Networks and Log---
deny ipv6 any any log
!
ipv6 access-list IPv6-INTERNAL-FILTER-IN
remark -----
permit icmp any any
remark -
remark ---Permit HSRP V2 packets---
permit udp host 2001:DB8:192:22::11 eq 2029 host FF02::66 eq 2029

```



```

permit udp host FE80::E6D3:F1FF:FE77:D901 eq 2029 host FF02::66 eq 2029
remark ---Deny other connections to Edge Router---
deny ipv6 any 2001:DB8:192:22::/64 log
remark ---Permit My Network Traffic to Assigned Networks---
permit ipv6 2001:DB8:192::/48 2000::/3
!
control-plane
!
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

^C
!
line con 0
    session-timeout 15  output
    exec-timeout 15 0
    login authentication COMPLIANCE
    stopbits 1
line aux 0
    session-timeout 1  output
    exec-timeout 0 1
    privilege level 0
    no exec
    transport preferred none
    transport output none
    stopbits 1
line vty 0 4
    session-timeout 15  output
    access-class 23 in

```

```
exec-timeout 15 0
ipv6 access-class BLOCKALL-IPv6 in
logging synchronous
login authentication COMPLIANCE
transport preferred none
transport input ssh
transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  ipv6 access-class BLOCKALL-IPv6 in
  logging synchronous
  login authentication COMPLIANCE
  transport preferred none
  transport input ssh
  transport output none
!
ntp source GigabitEthernet0/0/3
ntp server 171.68.10.80 prefer
ntp server 171.68.10.150
!
!
end
```

Converged Core/Aggregation

ASA-IE-1

```
ASA-IE-1# sh run
: Saved
:
ASA Version 9.1(1)
!
hostname ASA-IE-1
domain-name cisco-irn.com
enable password WKlYt0jXwtQLFcZ7 encrypted
passwd WKlYt0jXwtQLFcZ7 encrypted
names
dns-guard
!
interface GigabitEthernet0/0
  nameif outside
  security-level 0
  ip address 192.168.21.1 255.255.255.0 standby 192.168.21.2
  ipv6 address 2001:db8:192:21::1/64 standby 2001:db8:192:21::2
  ipv6 enable
!
interface GigabitEthernet0/1
  nameif inside
  security-level 100
  ip address 192.168.11.60 255.255.255.0 standby 192.168.11.62
!
interface GigabitEthernet0/2
  shutdown
  no nameif
  no security-level
  no ip address
!
interface GigabitEthernet0/3
```

```
description LAN/STATE Failover Interface
!
interface GigabitEthernet0/4
 shutdown
 no nameif
 no security-level
 no ip address
!
interface GigabitEthernet0/5
 shutdown
 no nameif
 no security-level
 no ip address
!
interface GigabitEthernet0/6
 shutdown
 no nameif
 no security-level
 no ip address
!
interface GigabitEthernet0/7
 shutdown
 no nameif
 no security-level
 no ip address
!
interface Management0/0
 management-only
 nameif management
 security-level 0
 no ip address
!
banner exec WARNING:
banner exec **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner exec                **** AUTHORIZED USERS ONLY! ****
banner exec
banner exec ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
banner exec TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE
NECESSARY
banner exec TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
banner exec REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME
WITHOUT
banner exec FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
banner exec CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
banner exec ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
banner exec
banner exec UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS.
banner login WARNING:
banner login THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
banner asdm WARNING:
banner asdm  **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner asdm                **** AUTHORIZED USERS ONLY! ****
banner asdm
banner asdm ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY TO
IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER REPRESENTATIVES OF THE
SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT FURTHER NOTICE OR CONSENT.
UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER CRIMINAL CONDUCT REVEALED BY SUCH USE IS
SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT OFFICIALS AND PROSECUTION TO THE F
banner asdm
banner asdm UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS
boot system disk0:/asa911-smp-k8.bin
```

```

ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns domain-lookup outside
dns domain-lookup inside
dns server-group DefaultDNS
name-server 192.168.42.130
domain-name cisco-irn.com
same-security-traffic permit inter-interface
object network PrimeLMS
  host 192.168.42.139
  description Cisco Prime LMS
object network RIE-1_G0-0-1
  host 192.168.22.11
  description ASA1002-X
object network RIE-1_G0-0-1_ipv6
  host 2001:db8:192:22::11
object network RIE-2_G0-0-2
  host 192.168.22.12
  description ASR1002-x
object network RIE-2_G0-0-2_ipv6
  host 2001:db8:192:22::12
object network RIE1+2_HSRP_ipv6
  host 2001:db8:192:22::10
object network RIE1+2_HSRP
  host 192.168.22.10
object network ASA-IE-1-outside.cisco-irn.com
  host 192.168.21.1
object network Bart-Admin99
  host 10.19.151.99
object network DMZ-Network-4
  subnet 192.168.20.24 255.255.255.248
object network DMZ-Networks
  subnet 192.168.20.0 255.255.252.0
object network DMZ-VIP-30
  host 192.168.20.30
object network DataCenter-Networks
  subnet 192.168.0.0 255.255.0.0
  description Private 1918 block
object network EMC-NCM.cisco-irn.com
  host 192.168.42.122
object network ESA-IE-1.cisco-irn.com
  host 192.168.23.68
object network ESMA-IE-1.cisco-irn.com
  host 192.168.23.84
object network EmailSecurityAppliance-Network
  subnet 192.168.23.64 255.255.255.240
object network EmailSecurityManager-Network
  subnet 192.168.23.80 255.255.255.240
object network FSU.cisco-irn.com
  host 192.168.42.138
object network InSide-Network
  subnet 192.168.21.0 255.255.255.0
object network InternetEdge-Networks
  subnet 192.168.20.0 255.255.252.0
object network NTP1.cisco-irn.com
  host 192.168.62.161
object network NTP2.cisco-irn.com
  host 192.168.62.162
object network OutSide-Network
  subnet 192.168.22.0 255.255.255.0
object network PAME-DC-1.cisco-irn.com
  host 192.168.44.111
object network RSA-enVision.cisco-irn.com

```

```
host 192.168.42.124
object network SRV-DC-1.cisco-irn.com
  host 192.168.41.101
object network SRV-DC-2.cisco-irn.com
  host 192.168.41.102
object network Branch-Networks
  subnet 10.10.0.0 255.255.0.0
object network WebSecurityAppliance-Network
  subnet 192.168.23.96 255.255.255.240
object network csmanager.cisco-irn.com
  host 192.168.42.133
object network tacacs.cisco-irn.com
  host 192.168.42.131
object network ActiveDirectory
  host 192.168.42.130
object network LABNTP-1.cisco.com
  host 171.68.10.150
object network LABNTP-2.cisco.com
  host 171.68.10.80
object network nist-chicago-NoDNS-
  host 38.106.177.10
  description Chicago, Illinois
object network nist-time-server.eoni.com
  host 216.228.192.69
  description La Grande, Oregon
object network nist.expertsmi.com
  host 50.77.217.185
  description Monroe, Michigan
object network nist.netservicesgroup.com
  host 64.113.32.5
  description Southfield, Michigan
object network nist.time.nosc.us
  host 96.226.123.117
  description Carrollton, Texas
object network nist1-atl.ustiming.org
  host 64.250.177.145
  description Atlanta, Georgia
object network nist1-chi.ustiming.org
  host 216.171.120.36
  description Chicago, Illinois
object network nist1-la.ustiming.org
  host 64.147.116.229
  description Los Angeles, California
object network nist1-lnk.binary.net
  host 216.229.0.179
  description Lincoln, Nebraska
object network nist1-lv.ustiming.org
  host 64.250.229.100
  description Las Vegas, Nevada
object network nist1-nj.ustiming.org
  host 96.47.67.105
  description Bridgewater, NJ
object network nist1-nj2.ustiming.org
  host 165.193.126.229
  description Weehawken, NJ
object network nist1-ny.ustiming.org
  host 64.90.182.55
  description New York City, NY
object network nist1-pa.ustiming.org
  host 206.246.122.250
  description Hatfield, PA
object network nist1-sj.ustiming.org
  host 216.171.124.36
  description San Jose, California
```

```
object network nist1.aol-ca.symmetriccom.com
  host 207.200.81.113
  description Mountain View, California
object network nist1.aol-va.symmetriccom.com
  host 64.236.96.53
  description Reston, Virginia
object network nist1.columbiacountyga.gov
  host 216.119.63.113
  description Columbia County, Georgia
object network nist1.symmetriccom.com
  host 69.25.96.13
  description San Jose, California
object network nist2-nj2.ustiming.org
  host 165.193.126.232
  description Weehawken, NJ
object network nisttime.carsoncity.k12.mi.us
  host 66.219.116.140
  description Carson City, Michigan
object network ntp-nist.ldsbc.edu
  host 198.60.73.8
  description LDSBC, Salt Lake City, Utah
object network time-a.nist.gov
  host 129.6.15.28
  description NIST, Gaithersburg, Maryland
object network time-a.timefreq.bldrdoc.gov
  host 132.163.4.101
  description NIST, Boulder, Colorado
object network time-b.nist.gov
  host 129.6.15.29
  description NIST, Gaithersburg, Maryland
object network time-b.timefreq.bldrdoc.gov
  host 132.163.4.102
  description NIST, Boulder, Colorado
object network time-c.timefreq.bldrdoc.gov
  host 132.163.4.103
  description NIST, Boulder, Colorado
object network time-d.nist.gov
  host 2610:20:6f15:15::27
  description NIST, Gaithersburg, Maryland
object network time-nw.nist.gov
  host 131.107.13.100
  description Microsoft, Redmond, Washington
object network utcnist.colorado.edu
  host 128.138.140.44
  description University of Colorado, Boulder
object network utcnist2.colorado.edu
  host 128.138.141.172
  description University of Colorado, Boulder
object network wwv.nist.gov
  host 24.56.178.140
  description WWV, Fort Collins, Colorado
object network ASA-IE-1-outside_ipv6.cisco-irn.com
  host 2001:db8:192:21::1
object network DMZ-VIP-30_ipv6
  host 2001:db8:192:20a4::30
object network CiscoLAB10-Network
  subnet 10.0.0.0 255.0.0.0
  description Private 1918 block
object network CiscoLAB171-Network
  subnet 171.68.0.0 255.255.0.0
  description ARIN Block
object network CiscoLAB172-Network
  subnet 172.16.0.0 255.240.0.0
  description Private 1918 block
```

```

object network DMZ-Network-4v6
  subnet 2001:db8:192:20a4::/64
object network EmailSecurityAppliance-Networkv6
  subnet 2001:db8:192:23a5::/64
object network EmailSecurityManager-Networkv6
  subnet 2001:db8:192:23a6::/64
object network InSide-Networkv6
  subnet 2001:db8:192:21::/64
object network OutSide-Networkv6
  subnet 2001:db8:192:22::/64
object network WebSecurityAppliance-Networkv6
  subnet 2001:db8:192:23a7::/64
object network ESA-IE-1.cisco-irn.com_ipv6
  host 2001:db8:192:23a5::68
object network ESMA-IE-1.cisco-irn.com_ipv6
  host 2001:db8:192:23a6::84
object network WSA-IE-1.cisco-irn.com
  host 192.168.23.100
object network WSA-IE-1.cisco-irn.com_ipv6
  host 2001:db8:192:23a7::100
object network ASASM-DMZ-1.cisco-irn.com
  host 192.168.21.10
object network ASASM-DMZ-2.cisco-irn.com
  host 192.168.21.12
object network ASASM-DMZ-1.cisco-irn.com_ipv6
  host 2001:db8:192:21::10
object-group service RDP tcp
  port-object eq 3389
object-group protocol TCPUDP
  protocol-object udp
  protocol-object tcp
object-group service vCenter-to-ESX4 tcp
  description Communication from vCenter to ESX hosts
  port-object eq 5989
  port-object eq 8000
  port-object eq 902
  port-object eq 903
object-group network NTP-Servers
  description NTP Servers
  network-object object NTP1.cisco-irn.com
  network-object object NTP2.cisco-irn.com
  network-object object ActiveDirectory
object-group network NTP-PublicServers
  description Public time.nist.gov servers
  network-object object nist-chicago-NoDNS-
  network-object object nist-time-server.eoni.com
  network-object object nist.expertsml.com
  network-object object nist.netservicesgroup.com
  network-object object nist.time.nosc.us
  network-object object nist1-atl.ustiming.org
  network-object object nist1-chi.ustiming.org
  network-object object nist1-la.ustiming.org
  network-object object nist1-lnk.binary.net
  network-object object nist1-lv.ustiming.org
  network-object object nist1-nj.ustiming.org
  network-object object nist1-nj2.ustiming.org
  network-object object nist1-ny.ustiming.org
  network-object object nist1-pa.ustiming.org
  network-object object nist1-sj.ustiming.org
  network-object object nist1.aol-ca.symmetricom.com
  network-object object nist1.aol-vb.symmetricom.com
  network-object object nist1.columbiacountyga.gov
  network-object object nist1.symmetricom.com
  network-object object nist2-nj2.ustiming.org

```

```

network-object object nisttime.carsoncity.k12.mi.us
network-object object ntp-nist.ldsbc.edu
network-object object time-a.nist.gov
network-object object time-a.timefreq.bldrdoc.gov
network-object object time-b.nist.gov
network-object object time-b.timefreq.bldrdoc.gov
network-object object time-c.timefreq.bldrdoc.gov
network-object object time-d.nist.gov
network-object object time-nw.nist.gov
network-object object utcnist.colorado.edu
network-object object utcnist2.colorado.edu
network-object object wwv.nist.gov
network-object object LABNTP-1.cisco.com
network-object object LABNTP-2.cisco.com
object-group network Admin-Systems
network-object object PrimeLMS
network-object object Bart-Admin99
network-object object EMC-NCM.cisco-irn.com
network-object object RSA-enVision.cisco-irn.com
network-object object SRV-DC-1.cisco-irn.com
network-object object SRV-DC-2.cisco-irn.com
network-object object csmanager.cisco-irn.com
object-group network DM_INLINE_NETWORK_1
network-object object EMC-NCM.cisco-irn.com
network-object object PrimeLMS
network-object object csmanager.cisco-irn.com
object-group network DM_INLINE_NETWORK_2
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group network DM_INLINE_NETWORK_3
network-object object EmailSecurityAppliance-Network
network-object object EmailSecurityManager-Network
network-object object WebSecurityAppliance-Network
object-group network DM_INLINE_NETWORK_4
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group network DM_INLINE_NETWORK_5
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group network DM_INLINE_NETWORK_6
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group icmp-type DM_INLINE_ICMP_1
icmp-object echo
icmp-object echo-reply
icmp-object information-reply
icmp-object information-request
icmp-object redirect
icmp-object time-exceeded
icmp-object traceroute
object-group service DM_INLINE_TCP_1 tcp
group-object RDP
port-object eq https
port-object eq ssh
group-object vCenter-to-ESX4
object-group service DM_INLINE_TCP_2 tcp
port-object eq https
port-object eq smtp
port-object eq ssh
object-group service DM_INLINE_TCP_3 tcp
port-object eq https
port-object eq ssh
object-group service DM_INLINE_TCP_4 tcp
port-object eq 1080

```



```

port-object eq 8080
port-object eq 8443
port-object eq www
port-object eq https
port-object eq ssh
object-group network DM_INLINE_NETWORK_10
  network-object object Branch-Networks
  network-object object DataCenter-Networks
object-group network DM_INLINE_NETWORK_11
  network-object object CiscoLAB10-Network
  network-object object CiscoLAB171-Network
  network-object object CiscoLAB172-Network
object-group network DM_INLINE_NETWORK_12
  network-object object Branch-Networks
  network-object object DataCenter-Networks
object-group network DM_INLINE_NETWORK_7
  network-object object RIE-1_G0-0-1
  network-object object RIE-2_G0-0-2
  network-object object DMZ-Networks
object-group network DM_INLINE_NETWORK_8
  network-object object RIE-1_G0-0-1
  network-object object RIE-2_G0-0-2
  network-object object DMZ-Networks
  network-object object ASASM-DMZ-1.cisco-irn.com
  network-object object ASASM-DMZ-2.cisco-irn.com
object-group network DM_INLINE_NETWORK_9
  network-object object CiscoLAB10-Network
  network-object object CiscoLAB171-Network
  network-object object CiscoLAB172-Network
object-group service DM_INLINE_TCP_5 tcp
  group-object RDP
  port-object eq 1080
  port-object eq 8080
  port-object eq 8443
  port-object eq 8444
  port-object eq 8880
  port-object eq www
  port-object eq https
  port-object eq ssh
  group-object vCenter-to-ESX4
object-group network DM_INLINE_NETWORK_13
  network-object object RIE-1_G0-0-1
  network-object object RIE-2_G0-0-2
  network-object object DMZ-Networks
access-list all extended permit ip any any
access-list OUTSIDE_IN extended permit icmp6 any6 any6
access-list OUTSIDE_IN remark Clientless VPN for IPv6
access-list OUTSIDE_IN extended permit tcp any6 object ASASM-DMZ-1.cisco-irn.com_ipv6 eq https
access-list OUTSIDE_IN remark Clientless VPN
access-list OUTSIDE_IN extended permit tcp any object ASA-IE-1-outside_ipv6.cisco-irn.com eq https
access-list OUTSIDE_IN remark DMZ Systems send Syslog messages
access-list OUTSIDE_IN extended permit udp object-group DM_INLINE_NETWORK_7 object RSA-enVision.cisco-irn.com eq syslog
access-list OUTSIDE_IN remark DMZ Systems Authenticate access
access-list OUTSIDE_IN extended permit tcp object-group DM_INLINE_NETWORK_8 object tacacs.cisco-irn.com eq tacacs
access-list OUTSIDE_IN remark DMZ Systems Authenticate access
access-list OUTSIDE_IN extended permit object-group TCPUDP object-group DM_INLINE_NETWORK_13 object ActiveDirectory eq domain
access-list OUTSIDE_IN remark ====LAB ACCESS to TEST===REMOVE===
access-list OUTSIDE_IN extended permit icmp object-group DM_INLINE_NETWORK_9 object-group DM_INLINE_NETWORK_10

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access-list OUTSIDE_IN remark ===LAB ACCESS to TEST===REMOVE===
access-list OUTSIDE_IN extended permit tcp object-group DM_INLINE_NETWORK_11 object-group
DM_INLINE_NETWORK_12 object-group DM_INLINE_TCP_5
access-list OUTSIDE_IN remark Drop all other traffic
access-list OUTSIDE_IN extended deny ip any any log
access-list DROP-ALL extended deny ip any any
access-list INSIDE_IN remark Admin Access to DMZ
access-list INSIDE_IN extended permit tcp object-group Admin-Systems object DMZ-Networks
object-group DM_INLINE_TCP_1
access-list INSIDE_IN remark Manage DMZ Devices
access-list INSIDE_IN extended permit udp object-group DM_INLINE_NETWORK_1 object
DMZ-Networks eq snmp
access-list INSIDE_IN remark Network Time
access-list INSIDE_IN extended permit udp object-group NTP-Servers object-group
NTP-PublicServers eq ntp
access-list INSIDE_IN remark Allow Access to services for Ironport Apps
access-list INSIDE_IN extended permit tcp object-group DM_INLINE_NETWORK_2 object-group
DM_INLINE_NETWORK_3 object-group DM_INLINE_TCP_2
access-list INSIDE_IN remark Allow Secure traffic to DMZ
access-list INSIDE_IN extended permit tcp object-group DM_INLINE_NETWORK_4 object
DMZ-VIP-30 object-group DM_INLINE_TCP_3
access-list INSIDE_IN remark - Block non-secure traffic to DMZ
access-list INSIDE_IN extended deny ip any object DMZ-Networks
access-list INSIDE_IN remark Allow outbound services for Internet
access-list INSIDE_IN extended permit icmp object-group DM_INLINE_NETWORK_5 any
object-group DM_INLINE_ICMP_1
access-list INSIDE_IN remark General Internet Browsing
access-list INSIDE_IN extended permit tcp object-group DM_INLINE_NETWORK_6 any
object-group DM_INLINE_TCP_4
access-list INSIDE_IN remark DNS Services
access-list INSIDE_IN extended permit object-group TCPUDP object ActiveDirectory any eq
domain
access-list INSIDE_IN remark Drop and Log all other traffic - END-OF-LINE
access-list INSIDE_IN extended deny ip any any log
access-list all-web webtype permit url any log default
pager lines 24
logging enable
logging timestamp
logging standby
logging buffer-size 1048576
logging asdm-buffer-size 512
logging trap informational
logging asdm informational
logging host inside 192.168.42.124
mtu outside 1500
mtu inside 1500
mtu management 1500
failover
failover lan unit primary
failover lan interface folink GigabitEthernet0/3
failover link folink GigabitEthernet0/3
failover interface ip folink 192.168.12.31 255.255.255.0 standby 192.168.12.32
icmp unreachable rate-limit 1 burst-size 1
icmp permit any outside
icmp permit any inside
asdm image disk0:/asdm-711.bin
asdm history enable
arp timeout 14400
no arp permit-nonconnected
access-group OUTSIDE_IN in interface outside
access-group INSIDE_IN in interface inside
access-group DROP-ALL in interface management
ipv6 icmp permit any echo outside
ipv6 icmp permit any echo-reply outside

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```

ipv6 icmp permit any membership-query inside
ipv6 icmp permit any membership-reduction inside
ipv6 icmp permit any membership-report inside
ipv6 icmp permit any neighbor-advertisement inside
ipv6 icmp permit any neighbor-redirect inside
ipv6 icmp permit any neighbor-solicitation inside
ipv6 icmp permit any packet-too-big inside
ipv6 icmp permit any parameter-problem inside
ipv6 icmp permit any router-advertisement inside
ipv6 icmp permit any router-solicitation inside
ipv6 icmp permit any time-exceeded inside
ipv6 icmp permit any unreachable inside
ipv6 route outside ::/0 2001:db8:192:21::10
route outside 0.0.0.0 0.0.0.0 192.168.21.10 1
route inside 10.10.0.0 255.255.0.0 192.168.11.1 1
route outside 10.10.0.0 255.255.255.0 192.168.21.10 1
route inside 192.168.0.0 255.255.0.0 192.168.11.10 10
route outside 192.168.20.0 255.255.255.0 192.168.21.10 1
route outside 192.168.22.0 255.255.255.0 192.168.21.10 1
route outside 192.168.23.0 255.255.255.0 192.168.21.10 1
timeout xlate 3:00:00
timeout pat-xlate 0:00:30
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
network-acl all
webvpn
  appl-acl all-web
  file-browsing enable
  file-entry enable
  http-proxy enable
  url-entry enable
  svc ask enable default webvpn
aaa-server partnerauth protocol radius
aaa-server partnerauth (inside) host 192.168.42.137
  timeout 5
  key *****
  radius-common-pw *****
aaa-server COMPLIANCE protocol tacacs+
  reactivation-mode depletion deadtime 15
  max-failed-attempts 5
aaa-server COMPLIANCE (inside) host 192.168.42.131
  key *****
user-identity default-domain LOCAL
aaa authentication enable console COMPLIANCE LOCAL
aaa authentication http console COMPLIANCE LOCAL
aaa authentication serial console COMPLIANCE LOCAL
aaa authentication ssh console COMPLIANCE LOCAL
aaa authorization command COMPLIANCE LOCAL
aaa accounting enable console COMPLIANCE
aaa accounting serial console COMPLIANCE
aaa accounting ssh console COMPLIANCE
aaa accounting command COMPLIANCE
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 15
http 192.168.41.101 255.255.255.255 inside

```

```

http 192.168.41.102 255.255.255.255 inside
http 192.168.42.122 255.255.255.255 inside
http 192.168.42.124 255.255.255.255 inside
http 192.168.42.133 255.255.255.255 inside
http 192.168.42.138 255.255.255.255 inside
http 192.168.42.139 255.255.255.255 inside
snmp-server group V3Group v3 priv
snmp-server user ciscolms V3Group v3 encrypted auth sha
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db priv aes 256
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db:88:e3:53:03:7b:f1:02:30:bc:14:
98:e5
snmp-server user csmadmin V3Group v3 encrypted auth sha
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db priv aes 256
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db:88:e3:53:03:7b:f1:02:30:bc:14:
98:e5
snmp-server host inside 192.168.42.134 version 3 ciscolms
snmp-server host inside 192.168.42.139 version 3 ciscolms
snmp-server host inside 192.168.42.133 version 3 csmadmin
snmp-server location Building SJC-17-1 Aisle 2 Rack 3
snmp-server contact EmployeeA
snmp-server enable traps snmp authentication linkup linkdown coldstart warmstart
snmp-server enable traps syslog
snmp-server enable traps ipsec start stop
snmp-server enable traps memory-threshold
snmp-server enable traps interface-threshold
snmp-server enable traps remote-access session-threshold-exceeded
snmp-server enable traps connection-limit-reached
snmp-server enable traps cpu threshold rising
snmp-server enable traps ikev2 start stop
snmp-server enable traps nat packet-discard
crypto ipsec security-association pmtu-aging infinite
crypto ca trustpool policy
telnet timeout 5
ssh scopy enable
ssh 192.168.41.101 255.255.255.255 inside
ssh 192.168.41.102 255.255.255.255 inside
ssh 192.168.42.122 255.255.255.255 inside
ssh 192.168.42.124 255.255.255.255 inside
ssh 192.168.42.133 255.255.255.255 inside
ssh 192.168.42.138 255.255.255.255 inside
ssh 192.168.42.139 255.255.255.255 inside
ssh timeout 15
ssh version 2
console timeout 15
management-access inside
!
tls-proxy maximum-session 1000
!
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source inside
ntp server 192.168.62.161 source inside prefer
ssl encryption 3des-sha1 aes128-sha1 aes256-sha1
webvpn
    enable outside
    anyconnect-essentials
    internal-password enable
    smart-tunnel list AllExternalApplications All-Applications * platform windows
group-policy DfltGrpPolicy attributes
    webvpn
        smart-tunnel enable AllExternalApplications
group-policy Retail-PCI internal
group-policy Retail-PCI attributes

```

```

vpn-tunnel-protocol ssl-clientless
username csmadmin password 9CmOJ.jq4D54PXDW encrypted privilege 15
username retail password XgJyMniJuEPQSGoY encrypted privilege 15
username emc-ncm password 4gFPrpXqWo/ncR1h encrypted privilege 15
username ciscolms password huo2PmvTsMk6Cv1L encrypted privilege 15
username bmcgloth password gITSY3iZ3UnCQoKf encrypted privilege 15
tunnel-group DefaultRAGroup general-attributes
 authentication-server-group partnerauth
tunnel-group DefaultWEBVPNGroup general-attributes
 authentication-server-group partnerauth
tunnel-group Retail-Lab type remote-access
tunnel-group Retail-Lab general-attributes
 authentication-server-group partnerauth LOCAL
 default-group-policy Retail-PCI
!
class-map inspection_default
 match default-inspection-traffic
class-map global-class-PCI
 match any
!
!
policy-map type inspect dns preset_dns_map
 parameters
  message-length maximum client auto
  message-length maximum 512
policy-map global_policy
 description IPS inspection policy for Cisco PCI LAB
 class inspection_default
  inspect dns preset_dns_map
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect rsh
  inspect rtsp
  inspect esmtp
  inspect sqlnet
  inspect skinny
  inspect sunrpc
  inspect xdmcp
  inspect sip
  inspect netbios
  inspect tftp
  inspect ip-options
 class global-class-PCI
  ips inline fail-close
policy-map type inspect dns migrated_dns_map_1
 parameters
  message-length maximum client auto
  message-length maximum 512
!
service-policy global_policy global
prompt hostname context
no call-home reporting anonymous
call-home
 profile CiscoTAC-1
  no active
  destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
  destination address email callhome@cisco.com
  destination transport-method http
  subscribe-to-alert-group diagnostic
  subscribe-to-alert-group environment
  subscribe-to-alert-group inventory periodic monthly
  subscribe-to-alert-group configuration periodic monthly
  subscribe-to-alert-group telemetry periodic daily

```

```

password encryption aes
Cryptochecksum:d01b4c45ee6507fcc152f2f9e01983b1
: end
ASA-IE-1# $

```

DMZ-IDS-1

```

! -----
! Current configuration last modified Thu Apr 28 21:34:42 2011
! -----
! Version 7.0(4)
! Host:
!   Realm Keys          key1.0
! Signature Definition:
!   Signature Update    S500.0   2010-07-09
! -----
service interface
physical-interfaces GigabitEthernet0/7
subinterface-type inline-vlan-pair
subinterface 1
description INT1 vlans 83 and 84
vlan1 83
vlan2 84
exit
exit
exit
exit
! -----
service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
lowercase-min 1
other-min 1
number-old-passwords 4
exit
exit
! -----
service event-action-rules rules0
exit
! -----
service host
network-settings
host-ip 192.168.21.93/24,192.168.21.1
host-name DMZ-IDS1
telnet-option disabled
access-list 10.19.151.99/32
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.138/32
dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
http-proxy proxy-server
address 128.107.241.169

```

```
port 80
exit
exit
time-zone-settings
offset -8
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
exit
exit
! -----
service logger
exit
! -----
service network-access
exit
! -----
service notification
trap-destinations 192.168.42.124
trap-community-name <removed>
exit
enable-notifications true
trap-community-name <removed>
exit
! -----
service signature-definition sig0
exit
! -----
service ssh-known-hosts
exit
! -----
service trusted-certificates
exit
! -----
service web-server
exit
! -----
service anomaly-detection ad0
exit
! -----
service external-product-interface
exit
! -----
service health-monitor
exit
! -----
service global-correlation
exit
! -----
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret <removed>
exit
nas-id DMZ-IDS1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
```

```

exit
! -----
service analysis-engine
exit

```

DMZ-ASASM

```

ASASM-RIE-3# sh run
: Saved
:
ASA Version 9.1(1)
!
hostname ASASM-RIE-3
domain-name cisco-irn.com
enable password WKlYt0jXwtQLFcZ7 encrypted
passwd WKlYt0jXwtQLFcZ7 encrypted
names
dns-guard
!
interface Vlan21
 nameif inside
 security-level 100
 ip address 192.168.21.10 255.255.255.0 standby 192.168.21.12
 ipv6 address 2001:db8:192:21::10/64 standby 2001:db8:192:21::12
 ipv6 enable
!
interface Vlan22
 nameif outside
 security-level 0
 ip address 192.168.22.1 255.255.255.0 standby 192.168.22.2
 ipv6 address 2001:db8:192:22::1/64 standby 2001:db8:192:22::3
 ipv6 enable
!
interface Vlan82
 nameif DMZ
 security-level 20
 ip address 192.168.20.25 255.255.255.248 standby 192.168.20.26
 ipv6 address 2001:db8:192:20a4::25/64 standby 2001:db8:192:20a4::26
 ipv6 enable
!
interface Vlan91
 description LAN Failover Interface
!
interface Vlan92
 description STATE Failover Interface
!
interface Vlan2305
 nameif EmailSecurityAppliance
 security-level 50
 ip address 192.168.23.65 255.255.255.240 standby 192.168.23.66
 ipv6 address 2001:db8:192:23a5::65/64 standby 2001:db8:192:23a5::66
 ipv6 enable
!
interface Vlan2306
 nameif EmailSecurityMgrAppliance
 security-level 60
 ip address 192.168.23.81 255.255.255.240 standby 192.168.23.82
 ipv6 address 2001:db8:192:23a6::81/64 standby 2001:db8:192:23a6::82
 ipv6 enable
!
interface Vlan2307
 shutdown

```



```

nameif WebSecurityAppliance
security-level 40
ip address 192.168.23.97 255.255.255.240 standby 192.168.23.98
ipv6 address 2001:db8:192:23a7::97/64 standby 2001:db8:192:23a7::98
ipv6 enable
!
banner exec WARNING:
banner exec      **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner exec      **** AUTHORIZED USERS ONLY! ****
banner exec
banner exec ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
banner exec TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE
NECESSARY
banner exec TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
banner exec REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME
WITHOUT
banner exec FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
banner exec CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
banner exec ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
banner exec
banner exec UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS.
banner login WARNING:
banner login THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
banner asdm WARNING:
banner asdm      **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner asdm      **** AUTHORIZED USERS ONLY! ****
banner asdm
banner asdm ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
banner asdm TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE
NECESSARY
banner asdm TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
banner asdm REPRESENTATIVES OF THE SYSTEM OWNER  MAY MONITOR SYSTEM USE AT ANY TIME
WITHOUT
banner asdm FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF  THIS SYSTEM AND ANY OTHER
banner asdm CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
banner asdm ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
banner asdm
banner asdm UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS
boot system disk0:/asa911-smp-k8.bin
boot system disk0:/asa901-smp-k8.bin
ftp mode passive
dns domain-lookup inside
dns server-group DefaultDNS
  name-server 192.168.42.130
  domain-name cisco-irn.com
same-security-traffic permit inter-interface
object network PrimeLMS
  host 192.168.42.139
  description Cisco Prime LMS
object network RIE-1_G0-0-1
  host 192.168.22.11
  description ASA1002-X
object network RIE-1_G0-0-1_ipv6
  host 2001:db8:192:22::11
object network RIE-2_G0-0-2
  host 192.168.22.12
  description ASR1002-x
object network RIE-2_G0-0-2_ipv6
  host 2001:db8:192:22::12
object network RIE1+2_HSRP_ipv6
  host 2001:db8:192:22::10
object network RIE1+2_HSRP

```

```
host 192.168.22.10
object network ASA-IE-1-outside.cisco-irn.com
  host 192.168.21.1
object network Bart-Admin99
  host 10.19.151.99
object network DMZ-Network-4
  subnet 192.168.20.24 255.255.255.248
object network DMZ-Networks
  subnet 192.168.20.0 255.255.255.0
object network DMZ-VIP-30
  host 192.168.20.30
object network DataCenter-Networks
  subnet 192.168.0.0 255.255.0.0
  description Private 1918 block
object network EMC-NCM.cisco-irn.com
  host 192.168.42.122
object network ESA-IE-1.cisco-irn.com
  host 192.168.23.68
object network ESMA-IE-1.cisco-irn.com
  host 192.168.23.84
object network EmailSecurityAppliance-Network
  subnet 192.168.23.64 255.255.255.240
object network EmailSecurityManager-Network
  subnet 192.168.23.80 255.255.255.240
object network FSU.cisco-irn.com
  host 192.168.42.138
object network InSide-Network
  subnet 192.168.21.0 255.255.255.0
object network InternetEdge-Networks
  subnet 192.168.20.0 255.255.252.0
object network NTP1.cisco-irn.com
  host 192.168.62.161
object network NTP2.cisco-irn.com
  host 192.168.62.162
object network OutSide-Network
  subnet 192.168.22.0 255.255.255.0
object network PAME-DC-1.cisco-irn.com
  host 192.168.44.111
object network RSA-enVision.cisco-irn.com
  host 192.168.42.124
object network SRV-DC-1.cisco-irn.com
  host 192.168.41.101
object network SRV-DC-2.cisco-irn.com
  host 192.168.41.102
object network Branch-Networks
  subnet 10.10.0.0 255.255.0.0
object network WebSecurityAppliance-Network
  subnet 192.168.23.96 255.255.255.240
object network csmanager.cisco-irn.com
  host 192.168.42.133
object network tacacs.cisco-irn.com
  host 192.168.42.131
object network ActiveDirectory
  host 192.168.42.130
object network LABNTP-1.cisco.com
  host 172.26.129.252
object network LABNTP-2.cisco.com
  host 172.28.189.1
object network nist-chicago-NoDNS-
  host 38.106.177.10
  description Chicago, Illinois
object network nist-time-server.eoni.com
  host 216.228.192.69
  description La Grande, Oregon
```

```
object network nist.expertsmi.com
  host 50.77.217.185
  description Monroe, Michigan
object network nist.netservicesgroup.com
  host 64.113.32.5
  description Southfield, Michigan
object network nist.time.nosc.us
  host 96.226.123.117
  description Carrollton, Texas
object network nist1-atl.ustiming.org
  host 64.250.177.145
  description Atlanta, Georgia
object network nist1-chi.ustiming.org
  host 216.171.120.36
  description Chicago, Illinois
object network nist1-la.ustiming.org
  host 64.147.116.229
  description Los Angeles, California
object network nist1-lnk.binary.net
  host 216.229.0.179
  description Lincoln, Nebraska
object network nist1-lv.ustiming.org
  host 64.250.229.100
  description Las Vegas, Nevada
object network nist1-nj.ustiming.org
  host 96.47.67.105
  description Bridgewater, NJ
object network nist1-nj2.ustiming.org
  host 165.193.126.229
  description Weehawken, NJ
object network nist1-ny.ustiming.org
  host 64.90.182.55
  description New York City, NY
object network nist1-pa.ustiming.org
  host 206.246.122.250
  description Hatfield, PA
object network nist1-sj.ustiming.org
  host 216.171.124.36
  description San Jose, California
object network nist1.aol-ca.symmetriccom.com
  host 207.200.81.113
  description Mountain View, California
object network nist1.aol-va.symmetriccom.com
  host 64.236.96.53
  description Reston, Virginia
object network nist1.columbiacountyga.gov
  host 216.119.63.113
  description Columbia County, Georgia
object network nist1.symmetriccom.com
  host 69.25.96.13
  description San Jose, California
object network nist2-nj2.ustiming.org
  host 165.193.126.232
  description Weehawken, NJ
object network nisttime.carsoncity.k12.mi.us
  host 66.219.116.140
  description Carson City, Michigan
object network ntp-nist.ldsbc.edu
  host 198.60.73.8
  description LDSBC, Salt Lake City, Utah
object network time-a.nist.gov
  host 129.6.15.28
  description NIST, Gaithersburg, Maryland
object network time-a.timefreq.bldrdoc.gov
```

```

host 132.163.4.101
description NIST, Boulder, Colorado
object network time-b.nist.gov
host 129.6.15.29
description NIST, Gaithersburg, Maryland
object network time-b.timefreq.bldrdoc.gov
host 132.163.4.102
description NIST, Boulder, Colorado
object network time-c.timefreq.bldrdoc.gov
host 132.163.4.103
description NIST, Boulder, Colorado
object network time-d.nist.gov
host 2610:20:6f15:15::27
description NIST, Gaithersburg, Maryland
object network time-nw.nist.gov
host 131.107.13.100
description Microsoft, Redmond, Washington
object network utcnist.colorado.edu
host 128.138.140.44
description University of Colorado, Boulder
object network utcnist2.colorado.edu
host 128.138.141.172
description University of Colorado, Boulder
object network wwv.nist.gov
host 24.56.178.140
description WWV, Fort Collins, Colorado
object network ASA-IE-1-outside_ipv6.cisco-irn.com
host 2001:db8:192:21::1
object network DMZ-VIP-30_ipv6
host 2001:db8:192:20a4::30
object network CiscoLAB10-Network
subnet 10.0.0.0 255.0.0.0
description Private 1918 block
object network CiscoLAB171-Network
subnet 171.68.0.0 255.255.0.0
description ARIN Block
object network CiscoLAB172-Network
subnet 172.16.0.0 255.240.0.0
description Private 1918 block
object network DMZ-Network-4v6
subnet 2001:db8:192:20a4::/64
object network EmailSecurityAppliance-Networkv6
subnet 2001:db8:192:23a5::/64
object network EmailSecurityManager-Networkv6
subnet 2001:db8:192:23a6::/64
object network InSide-Networkv6
subnet 2001:db8:192:21::/64
object network OutSide-Networkv6
subnet 2001:db8:192:22::/64
object network WebSecurityAppliance-Networkv6
subnet 2001:db8:192:23a7::/64
object network ESA-IE-1.cisco-irn.com_ipv6
host 2001:db8:192:23a5::68
object network ESMA-IE-1.cisco-irn.com_ipv6
host 2001:db8:192:23a6::84
object network WSA-IE-1.cisco-irn.com
host 192.168.23.100
object network WSA-IE-1.cisco-irn.com_ipv6
host 2001:db8:192:23a7::100
object-group icmp-type DM_INLINE_ICMP_1
icmp-object echo
icmp-object echo-reply
icmp-object information-reply
icmp-object redirect

```

```

icmp-object time-exceeded
icmp-object traceroute
object-group network DM_INLINE_NETWORK_27
network-object object ESA-IE-1.cisco-irn.com
network-object object ESA-IE-1.cisco-irn.com_ipv6
object-group protocol ICMP-v6
protocol-object icmp6
object-group network DM_INLINE_NETWORK_20
network-object object ESA-IE-1.cisco-irn.com
network-object object ESA-IE-1.cisco-irn.com_ipv6
object-group service DM_INLINE_SERVICE_1
service-object tcp destination eq https
service-object tcp destination eq ssh
object-group network NTP-Servers
description NTP Servers
network-object object NTP1.cisco-irn.com
network-object object NTP2.cisco-irn.com
network-object object ActiveDirectory
object-group network DM_INLINE_NETWORK_6
network-object object EmailSecurityAppliance-Network
network-object object EmailSecurityManager-Network
network-object object WebSecurityAppliance-Network
object-group service RDP tcp
port-object eq 3389
object-group service vCenter-to-ESX4 tcp
description Communication from vCenter to ESX hosts
port-object eq 5989
port-object eq 8000
port-object eq 902
port-object eq 903
object-group service DM_INLINE_TCP_2 tcp
group-object RDP
port-object eq https
port-object eq ssh
group-object vCenter-to-ESX4
object-group service DM_INLINE_UDP_1 udp
port-object eq 1812
port-object eq 1813
object-group service DM_INLINE_UDP_2 udp
port-object eq 1812
port-object eq 1813
object-group network DM_INLINE_NETWORK_2
network-object object EMC-NCM.cisco-irn.com
network-object object PrimeLMS
network-object object csmanager.cisco-irn.com
object-group service DM_INLINE_UDP_3 udp
port-object eq 1812
port-object eq 1813
object-group network DM_INLINE_NETWORK_21
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group service DM_INLINE_TCP_3 tcp
port-object eq https
port-object eq smtp
port-object eq ssh
object-group network DM_INLINE_NETWORK_22
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group network DM_INLINE_NETWORK_23
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group network Admin-Systems
network-object object PrimeLMS
network-object object Bart-Admin99

```

```

network-object object EMC-NCM.cisco-irn.com
network-object object RSA-enVision.cisco-irn.com
network-object object SRV-DC-1.cisco-irn.com
network-object object SRV-DC-2.cisco-irn.com
network-object object csmanager.cisco-irn.com
object-group network DM_INLINE_NETWORK_24
network-object object Branch-Networks
network-object object DataCenter-Networks
object-group service DM_INLINE_TCP_4 tcp
port-object eq https
port-object eq ssh
object-group service DM_INLINE_TCP_5 tcp
port-object eq 1080
port-object eq 8080
port-object eq 8443
port-object eq www
port-object eq https
port-object eq ssh
object-group network DM_INLINE_NETWORK_25
network-object object RIE-1_G0-0-1
network-object object RIE-2_G0-0-2
object-group network DM_INLINE_NETWORK_26
network-object object RIE-1_G0-0-1
network-object object RIE-2_G0-0-2
object-group network DM_INLINE_NETWORK_3
network-object object DataCenter-Networks
network-object object Branch-Networks
object-group network NTP-PublicServers
description Public time.nist.gov servers
network-object object LABNTP-1.cisco.com
network-object object LABNTP-2.cisco.com
network-object object nist-chicago-NoDNS-
network-object object nist-time-server.eoni.com
network-object object nist.expertsml.com
network-object object nist.netservicesgroup.com
network-object object nist.time.nosc.us
network-object object nist1-atl.ustiming.org
network-object object nist1-chi.ustiming.org
network-object object nist1-la.ustiming.org
network-object object nist1-lnk.binary.net
network-object object nist1-lv.ustiming.org
network-object object nist1-nj.ustiming.org
network-object object nist1-nj2.ustiming.org
network-object object nist1-ny.ustiming.org
network-object object nist1-pa.ustiming.org
network-object object nist1-sj.ustiming.org
network-object object nist1.aol-ca.symmetricom.com
network-object object nist1.aol-vb.symmetricom.com
network-object object nist1.columbiacountyga.gov
network-object object nist1.symmetricom.com
network-object object nist2-nj2.ustiming.org
network-object object nisttime.carsoncity.k12.mi.us
network-object object ntp-nist.ldsbc.edu
network-object object time-a.nist.gov
network-object object time-a.timefreq.blrdoc.gov
network-object object time-b.nist.gov
network-object object time-b.timefreq.blrdoc.gov
network-object object time-c.timefreq.blrdoc.gov
network-object object time-d.nist.gov
network-object object time-nw.nist.gov
network-object object utcnist.colorado.edu
network-object object utcnist2.colorado.edu
network-object object wwv.nist.gov
object-group network DM_INLINE_NETWORK_4

```

```

network-object object DMZ-VIP-30
network-object object DMZ-VIP-30_ipv6
object-group network DM_INLINE_NETWORK_5
network-object object ASA-IE-1-outside.cisco-irn.com
network-object object ASA-IE-1-outside_ipv6.cisco-irn.com
object-group network DM_INLINE_NETWORK_7
network-object object DataCenter-Networks
network-object object Branch-Networks
object-group service DM_INLINE_TCP_1 tcp
group-object RDP
port-object eq www
port-object eq https
port-object eq ssh
group-object vCenter-to-ESX4
port-object eq 1080
port-object eq 8080
port-object eq 8443
port-object eq 8444
port-object eq 8880
object-group network DM_INLINE_NETWORK_8
network-object object CiscoLAB10-Network
network-object object CiscoLAB171-Network
network-object object CiscoLAB172-Network
object-group network DM_INLINE_NETWORK_9
network-object object CiscoLAB10-Network
network-object object CiscoLAB171-Network
network-object object CiscoLAB172-Network
object-group network DM_INLINE_NETWORK_1
network-object object WSA-IE-1.cisco-irn.com
network-object object WSA-IE-1.cisco-irn.com_ipv6
object-group network DM_INLINE_NETWORK_10
network-object object ESMA-IE-1.cisco-irn.com
network-object object ESMA-IE-1.cisco-irn.com_ipv6
object-group network DM_INLINE_NETWORK_11
network-object object WSA-IE-1.cisco-irn.com
network-object object WSA-IE-1.cisco-irn.com_ipv6
object-group network DM_INLINE_NETWORK_12
network-object object ESMA-IE-1.cisco-irn.com
network-object object ESMA-IE-1.cisco-irn.com_ipv6
object-group network DM_INLINE_NETWORK_13
network-object object ESA-IE-1.cisco-irn.com
network-object object ESA-IE-1.cisco-irn.com_ipv6
object-group network DM_INLINE_NETWORK_14
network-object object WebSecurityAppliance-Network
network-object object WebSecurityAppliance-Networkv6
object-group network DM_INLINE_NETWORK_15
network-object object DataCenter-Networks
network-object object Branch-Networks
object-group network DM_INLINE_NETWORK_16
network-object object EmailSecurityManager-Network
network-object object EmailSecurityManager-Networkv6
object-group network DM_INLINE_NETWORK_17
network-object object DataCenter-Networks
network-object object Branch-Networks
object-group network DM_INLINE_NETWORK_18
network-object object EmailSecurityAppliance-Network
network-object object EmailSecurityAppliance-Networkv6
object-group network DM_INLINE_NETWORK_19
network-object object DataCenter-Networks
network-object object Branch-Networks
object-group service DM_INLINE_SERVICE_2
service-object tcp-udp destination eq domain
service-object tcp destination eq smtp
object-group service DM_INLINE_SERVICE_3

```

```

service-object tcp-udp destination eq domain
service-object tcp destination eq www
service-object tcp destination eq https
object-group service DM_INLINE_SERVICE_4
service-object tcp-udp destination eq domain
service-object tcp destination eq smtp
object-group service DM_INLINE_SERVICE_5
service-object tcp-udp destination eq domain
service-object tcp destination eq www
service-object tcp destination eq https
object-group service DM_INLINE_SERVICE_6
service-object tcp-udp destination eq domain
service-object tcp destination eq smtp
object-group service DM_INLINE_SERVICE_7
service-object tcp-udp destination eq domain
service-object tcp destination eq smtp
object-group protocol TCPUDP
protocol-object udp
protocol-object tcp
access-list Ironport-ESA_IN remark IPv6 Discovery-operation
access-list Ironport-ESA_IN extended permit object-group ICMP-v6 any6 any6
access-list Ironport-ESA_IN remark Block traffic from DMZ to Internal networks
access-list Ironport-ESA_IN extended deny object-group DM_INLINE_SERVICE_7 object-group
DM_INLINE_NETWORK_18 object-group DM_INLINE_NETWORK_19
access-list Ironport-ESA_IN remark DNS lookup and Mail to Internet
access-list Ironport-ESA_IN extended permit object-group DM_INLINE_SERVICE_4 object-group
DM_INLINE_NETWORK_27 any
access-list Ironport-ESA_IN remark Network Time
access-list Ironport-ESA_IN extended permit udp object-group DM_INLINE_NETWORK_13
object-group NTP-PublicServers eq ntp
access-list Ironport-ESA_IN remark Logging
access-list Ironport-ESA_IN extended permit udp object ESA-IE-1.cisco-irn.com object
RSA-enVision.cisco-irn.com eq syslog
access-list Ironport-ESA_IN remark Authentication
access-list Ironport-ESA_IN extended permit udp object ESA-IE-1.cisco-irn.com object
tacacs.cisco-irn.com object-group DM_INLINE_UDP_1
access-list DMZ-WebServers_IN remark IPv6 Discovery-operation
access-list DMZ-WebServers_IN extended permit object-group ICMP-v6 any6 any6
access-list DMZ-WebServers_IN remark Logging
access-list DMZ-WebServers_IN extended permit udp object DMZ-Networks object
RSA-enVision.cisco-irn.com eq syslog
access-list DMZ-WebServers_IN remark Authentication
access-list DMZ-WebServers_IN extended permit tcp object DMZ-Networks object
tacacs.cisco-irn.com eq tacacs
access-list DMZ-WebServers_IN remark Network Time
access-list DMZ-WebServers_IN extended permit udp object DMZ-Networks object-group
NTP-PublicServers eq ntp
access-list Ironport-ESMA_IN remark IPv6 Discovery-operation
access-list Ironport-ESMA_IN extended permit object-group ICMP-v6 any6 any6
access-list Ironport-ESMA_IN remark Block traffic from DMZ to Internal networks
access-list Ironport-ESMA_IN extended deny object-group DM_INLINE_SERVICE_6 object-group
DM_INLINE_NETWORK_16 object-group DM_INLINE_NETWORK_17
access-list Ironport-ESMA_IN remark DNS Lookup and Mail relay
access-list Ironport-ESMA_IN extended permit object-group DM_INLINE_SERVICE_2 object-group
DM_INLINE_NETWORK_10 any
access-list Ironport-ESMA_IN remark Network Time
access-list Ironport-ESMA_IN extended permit udp object-group DM_INLINE_NETWORK_12
object-group NTP-PublicServers eq ntp
access-list Ironport-ESMA_IN remark Logging
access-list Ironport-ESMA_IN extended permit udp object ESMA-IE-1.cisco-irn.com object
RSA-enVision.cisco-irn.com eq syslog
access-list Ironport-ESMA_IN remark Authentication
access-list Ironport-ESMA_IN extended permit udp object ESMA-IE-1.cisco-irn.com object
tacacs.cisco-irn.com object-group DM_INLINE_UDP_2

```



```

access-list INSIDE remark Admin Access to DMZ
access-list INSIDE extended permit tcp object-group Admin-Systems object
InternetEdge-Networks object-group DM_INLINE_TCP_2
access-list INSIDE remark Manage DMZ Devices
access-list INSIDE extended permit udp object-group DM_INLINE_NETWORK_2 object
InternetEdge-Networks eq snmp
access-list INSIDE remark Network Time
access-list INSIDE extended permit udp object-group NTP-Servers object-group
NTP-PublicServers eq ntp
access-list INSIDE remark Allow Access to services for Ironport Apps
access-list INSIDE extended permit tcp object-group DM_INLINE_NETWORK_22 object-group
DM_INLINE_NETWORK_6 object-group DM_INLINE_TCP_3
access-list INSIDE remark Allow Secure traffic to DMZ
access-list INSIDE extended permit tcp object-group DM_INLINE_NETWORK_21 object DMZ-VIP-30
object-group DM_INLINE_TCP_4
access-list INSIDE remark - Block non-secure traffic to DMZ
access-list INSIDE extended deny ip any object InternetEdge-Networks log
access-list INSIDE remark Allow outbound services for Internet
access-list INSIDE extended permit icmp object-group DM_INLINE_NETWORK_23 any object-group
DM_INLINE_ICMP_1
access-list INSIDE remark General Internet Browsing
access-list INSIDE extended permit tcp object-group DM_INLINE_NETWORK_24 any object-group
DM_INLINE_TCP_5
access-list INSIDE remark DNS Services
access-list INSIDE extended permit object-group TCPUDP object ActiveDirectory any eq
domain
access-list INSIDE remark Drop and Log all other traffic - END-OF-LINE
access-list INSIDE extended deny ip any any log
access-list OUTSIDE remark IPv6 Discovery-operation
access-list OUTSIDE extended permit object-group ICMP-v6 any6 any6
access-list OUTSIDE remark Allow traffic to DMZ e-commerce Server
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_1 any object-group
DM_INLINE_NETWORK_4
access-list OUTSIDE remark Mail to Ironport
access-list OUTSIDE extended permit tcp any object-group DM_INLINE_NETWORK_20 eq smtp
access-list OUTSIDE remark Remote Access SSL VPN
access-list OUTSIDE extended permit tcp any object-group DM_INLINE_NETWORK_5 eq https
access-list OUTSIDE remark Allow traffic from edge routers - RIE-1
access-list OUTSIDE extended permit udp object-group DM_INLINE_NETWORK_25 object
RSA-enVision.cisco-irn.com eq syslog
access-list OUTSIDE remark Allow traffic from edge routers - RIE-1
access-list OUTSIDE extended permit tcp object-group DM_INLINE_NETWORK_26 object
tacacs.cisco-irn.com eq tacacs
access-list OUTSIDE remark ====LAB ACCESS to TEST===REMOVE===
access-list OUTSIDE extended permit icmp object-group DM_INLINE_NETWORK_9 object-group
DM_INLINE_NETWORK_7
access-list OUTSIDE remark ====LAB ACCESS TO TEST===REMOVE====
access-list OUTSIDE extended permit tcp object-group DM_INLINE_NETWORK_8 object-group
DM_INLINE_NETWORK_3 object-group DM_INLINE_TCP_1
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
access-list Ironport-WSA_IN remark IPv6 Discovery-operation
access-list Ironport-WSA_IN extended permit object-group ICMP-v6 any6 any6
access-list Ironport-WSA_IN remark Block traffic from DMZ to Internal networks
access-list Ironport-WSA_IN extended deny object-group DM_INLINE_SERVICE_5 object-group
DM_INLINE_NETWORK_14 object-group DM_INLINE_NETWORK_15
access-list Ironport-WSA_IN remark DNS Lookup, Web Surfing
access-list Ironport-WSA_IN extended permit object-group DM_INLINE_SERVICE_3 object-group
DM_INLINE_NETWORK_11 any
access-list Ironport-WSA_IN remark Network Time
access-list Ironport-WSA_IN extended permit udp object-group DM_INLINE_NETWORK_1
object-group NTP-PublicServers eq ntp
access-list Ironport-WSA_IN remark Logging

```

```

access-list Ironport-WSA_IN extended permit udp object WSA-IE-1.cisco-irn.com object
RSA-enVision.cisco-irn.com eq syslog
access-list Ironport-WSA_IN remark Authentication
access-list Ironport-WSA_IN extended permit udp object WSA-IE-1.cisco-irn.com object
tacacs.cisco-irn.com object-group DM_INLINE_UDP_3
pager lines 24
logging enable
logging standby
logging buffer-size 1048576
logging asdm-buffer-size 512
logging asdm informational
logging host inside 192.168.42.124
mtu inside 1500
mtu outside 1500
mtu DMZ 1500
mtu EmailSecurityAppliance 1500
mtu EmailSecurityMgrAppliance 1500
mtu WebSecurityAppliance 1500
failover
failover lan unit primary
failover lan interface failover Vlan91
failover link statelink Vlan92
failover interface ip failover 192.168.20.13 255.255.255.252 standby 192.168.20.14
failover interface ip statelink 192.168.20.33 255.255.255.252 standby 192.168.20.34
icmp unreachable rate-limit 1 burst-size 1
icmp permit any inside
icmp permit any outside
icmp permit any DMZ
icmp permit any EmailSecurityAppliance
icmp permit any EmailSecurityMgrAppliance
icmp permit any WebSecurityAppliance
asdm image disk0:/asdm-711.bin
asdm history enable
arp timeout 14400
no arp permit-nonconnected
access-group INSIDE in interface inside
access-group OUTSIDE in interface outside
access-group DMZ-WebServers_IN in interface DMZ
access-group Ironport-ESA_IN in interface EmailSecurityAppliance
access-group Ironport-ESMA_IN in interface EmailSecurityMgrAppliance
access-group Ironport-WSA_IN in interface WebSecurityAppliance
ipv6 route DMZ 2001:db8:192:20a1::/64 2001:db8:192:20a4::28
ipv6 route outside ::/0 2001:db8:192:22::10
route outside 0.0.0.0 0.0.0.0 192.168.22.10 1
route inside 10.10.0.0 255.255.0.0 192.168.21.1 1
route outside 10.10.0.0 255.255.255.0 192.168.22.10 1
route outside 10.10.3.0 255.255.255.0 192.168.22.11 1
route outside 10.10.4.0 255.255.255.0 192.168.22.12 1
route inside 192.168.0.0 255.255.0.0 192.168.21.1 1
route DMZ 192.168.20.0 255.255.255.248 192.168.20.28 1
timeout xlate 3:00:00
timeout pat-xlate 0:00:30
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
aaa-server COMPLIANCE protocol tacacs+
  reactivation-mode depletion deadtime 15
  max-failed-attempts 5
aaa-server COMPLIANCE (inside) host 192.168.42.131
  key *****

```

```
user-identity default-domain LOCAL
aaa authentication enable console COMPLIANCE LOCAL
aaa authentication http console COMPLIANCE LOCAL
aaa authentication ssh console COMPLIANCE LOCAL
aaa authentication serial console COMPLIANCE LOCAL
aaa authorization command COMPLIANCE LOCAL
aaa accounting enable console COMPLIANCE
aaa accounting serial console COMPLIANCE
aaa accounting ssh console COMPLIANCE
aaa accounting command privilege 15 COMPLIANCE
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 15
http 192.168.41.101 255.255.255.255 inside
http 192.168.41.102 255.255.255.255 inside
http 192.168.42.122 255.255.255.255 inside
http 192.168.42.124 255.255.255.255 inside
http 192.168.42.133 255.255.255.255 inside
http 192.168.42.138 255.255.255.255 inside
http 192.168.42.139 255.255.255.255 inside
snmp-server group Authentication&Encryption v3 priv
snmp-server user ciscolms Authentication&Encryption v3 encrypted auth sha
22:c2:d0:4d:34:22:54:cd:e7:15:55:63:70:0e:b9:49:c6:09:75:17 priv aes 256
22:c2:d0:4d:34:22:54:cd:e7:15:55:63:70:0e:b9:49:c6:09:75:17:14:95:f7:2f:f8:6a:ee:62:d6:03:
7f:db
snmp-server user csmadmin Authentication&Encryption v3 encrypted auth sha
22:c2:d0:4d:34:22:54:cd:e7:15:55:63:70:0e:b9:49:c6:09:75:17 priv aes 256
22:c2:d0:4d:34:22:54:cd:e7:15:55:63:70:0e:b9:49:c6:09:75:17:14:95:f7:2f:f8:6a:ee:62:d6:03:
7f:db
snmp-server host inside 192.168.42.134 version 3 ciscolms
snmp-server host inside 192.168.42.139 version 3 ciscolms
snmp-server host inside 192.168.42.133 version 3 csmadmin
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart warmstart
no snmp-server enable
crypto ipsec security-association pmtu-aging infinite
crypto ca trustpool policy
telnet timeout 5
ssh scopy enable
ssh 192.168.41.101 255.255.255.255 inside
ssh 192.168.41.102 255.255.255.255 inside
ssh 192.168.42.122 255.255.255.255 inside
ssh 192.168.42.124 255.255.255.255 inside
ssh 192.168.42.133 255.255.255.255 inside
ssh 192.168.42.138 255.255.255.255 inside
ssh 192.168.42.139 255.255.255.255 inside
ssh timeout 15
ssh version 2
console timeout 15
!
tls-proxy maximum-session 1000
!
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ssl encryption aes256-sha1 aes128-sha1 3des-sha1
username csmadmin password 9CmOJ.jq4D54PXDW encrypted privilege 15
username retail password XgJyMniJuEPQSGoY encrypted privilege 15
username bmcgloth password gITSY3iZ3UnCQoKf encrypted privilege 15
!
```

```

class-map inspection_default
  match default-inspection-traffic
!
!
policy-map global_policy
  class inspection_default
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect netbios
    inspect rsh
    inspect skinny
    inspect sqlnet
    inspect sunrpc
    inspect tftp
    inspect sip
    inspect xdmcp
  !
service-policy global_policy global
prompt hostname context
no call-home reporting anonymous
call-home
  profile CiscoTAC-1
    no active
    destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
    destination address email callhome@cisco.com
    destination transport-method http
    subscribe-to-alert-group diagnostic
    subscribe-to-alert-group environment
    subscribe-to-alert-group inventory periodic monthly 8
    subscribe-to-alert-group configuration periodic monthly 8
    subscribe-to-alert-group telemetry periodic daily
Cryptochecksum:3461835c1b952f647c39ea90dc41d8b4
: end

```

DMZ-ACE-1

```

ACE1/Admin# sh run
Generating configuration....

```

```

logging enable
logging timestamp
logging trap 6
logging buffered 6
logging device-id context-name
logging host 192.168.42.124 udp/514
logging rate-limit 1 120 message 302027

login timeout 15
hostname ACE1
boot system image:c6ace-t1k9-mz.A5_1_2.bin

resource-class Gold
  limit-resource all minimum 0.00 maximum unlimited
  limit-resource conc-connections minimum 10.00 maximum unlimited
  limit-resource sticky minimum 10.00 maximum unlimited
tacacs-server host 192.168.42.131 key 7 "uaxfalkha"
aaa group server tacacs+ COMPLIANCE

```

```
server 192.168.42.131

clock timezone standard PST
clock summer-time standard PDT
aaa authentication login default group COMPLIANCE local
aaa authentication login console group COMPLIANCE local
aaa accounting default group COMPLIANCE local

class-map type management match-any remote-mgmt
  9 match protocol ssh source-address 192.168.41.102 255.255.255.255
  10 match protocol ssh source-address 192.168.42.131 255.255.255.255
  30 match protocol icmp any
  32 match protocol ssh source-address 192.168.41.101 255.255.255.255
  33 match protocol ssh source-address 192.168.42.111 255.255.255.255
  34 match protocol ssh source-address 192.168.42.122 255.255.255.255
  35 match protocol ssh source-address 192.168.42.124 255.255.255.255
  36 match protocol ssh source-address 192.168.42.133 255.255.255.255
  37 match protocol ssh source-address 192.168.42.138 255.255.255.255

policy-map type management first-match remote-access
  class remote-mgmt
    permit

interface vlan 21
  ip address 192.168.21.95 255.255.255.0
  service-policy input remote-access
  no shutdown

ft interface vlan 85
  ip address 192.168.20.9 255.255.255.252
  peer ip address 192.168.20.10 255.255.255.252
  no shutdown

ft peer 1
  heartbeat interval 300
  heartbeat count 10
  ft-interface vlan 85
ft group 11
  peer 1
  priority 110
  peer priority 105
  associate-context Admin
  inservice

domain cisco-irn.com

ip route 0.0.0.0 0.0.0.0 192.168.21.1

context PCI
  allocate-interface vlan 82-83
  allocate-interface vlan 95

ft group 10
  peer 1
  priority 110
  peer priority 105
  associate-context PCI
  inservice
username admin password 5 $1$nCzsvkY0$QKCSN2jtbE8nsgxxeHMKe1 role Admin domain
default-domain
```

```

username www password 5 $1$.4drq4sB$qBpfZsTgtJufI865poqTr1 role Admin domain
default-domain
username csmadmin password 5 $1$1VY0v92B$VMTmZoUY0NNcYV1paA1eo0 role Admin domain
default-domain cisco-irn.com
username bmcgloth password 5 $1$IVI7Dovp$tGZ11k6CUpxTAfuI.pAax/ role Admin domain
default-domain cisco-irn.com
username lmsadmin password 5 $1$vnpxp4FR$KrnWU18lwQYbyxmcKOGc5. role Admin domain
default-domain cisco-irn.com

ssh key rsa 2048 force

ACE1/Admin#

```

DMZ-ACE-1_PCI

```

ACE1/PCI# sh run
Generating configuration....

```

```

logging enable
logging timestamp
logging buffered 7
logging monitor 7
logging device-id context-name
logging host 192.168.42.124 udp/514
logging rate-limit 1 120 message 302027

login timeout 15
tacacs-server host 192.168.42.131 key 7 "uaxfalkha"
aaa group server tacacs+ COMPLIANCE
    server 192.168.42.131
aaa authentication login default group COMPLIANCE local
aaa authentication login console group COMPLIANCE local
aaa accounting default group COMPLIANCE local

access-list in2out line 10 extended permit ip host 192.168.20.2 any
access-list in2out line 12 extended permit ip host 192.168.20.1 any
access-list in2out line 15 extended deny ip any any
access-list out2in line 10 extended permit tcp any host 192.168.20.1 eq ssh
access-list out2in line 11 extended permit tcp any host 192.168.20.2 eq ssh
access-list out2in line 12 extended permit tcp any host 192.168.20.1 eq https
access-list out2in line 13 extended permit tcp any host 192.168.20.2 eq https
access-list out2in line 14 extended permit icmp any host 192.168.20.1
access-list out2in line 15 extended permit icmp any host 192.168.20.2
access-list out2in line 16 extended deny ip any any
access-list out2in_ipv6 line 8 extended permit icmpv6 anyv6 host 2001:db8:192:20a1::1
access-list out2in_ipv6 line 16 extended permit tcp anyv6 host 2001:db8:192:20a1::1 eq ssh
access-list out2in_ipv6 line 24 extended permit tcp anyv6 host 2001:db8:192:20a1::1 eq https

probe icmp ICMP
    interval 2
    faildetect 2
    passdetect count 2

rserver host ECOM
    ip address 192.168.20.2

```

```

inservice

serverfarm host PCI-ECOM
  predictor leastconns
  probe ICMP
  rserver ECOM
  inservice

class-map match-any ECOMVIP
  5 match virtual-address 2001:db8:192:20a1::1 tcp eq 22
  6 match virtual-address 2001:db8:192:20a1::1 tcp eq https
class-map match-any ECOMVIP_v4
  3 match virtual-address 192.168.20.1 tcp eq 22
  4 match virtual-address 192.168.20.1 tcp eq https
class-map type management match-any MANAGEMENT
  7 match protocol icmp any
  8 match protocol ssh source-address 192.168.41.101 255.255.255.255
  9 match protocol ssh source-address 192.168.41.102 255.255.255.255
  10 match protocol ssh source-address 192.168.42.111 255.255.255.255
  11 match protocol ssh source-address 192.168.42.122 255.255.255.255
  12 match protocol ssh source-address 192.168.42.124 255.255.255.255
  13 match protocol ssh source-address 192.168.42.131 255.255.255.255
  14 match protocol ssh source-address 192.168.42.133 255.255.255.255
  15 match protocol ssh source-address 192.168.42.138 255.255.255.255
  16 match protocol ssh source-address 192.168.42.139 255.255.255.255
class-map type management match-all V6-MGMT
  2 match protocol icmpv6 anyv6

policy-map type management first-match MGMT
  class MANAGEMENT
    permit
  class V6-MGMT
    permit

policy-map type loadbalance first-match ECOMPOLICY
  class class-default
    serverfarm PCI-ECOM
    nat dynamic 2 vlan 83 serverfarm primary
    insert-http x-forward-for header-value "%is"
policy-map type loadbalance first-match ECOMPOLICY_v4
  class class-default
    serverfarm PCI-ECOM

policy-map multi-match ECOM_MATCH
  class ECOMVIP
    loadbalance vip inservice
    loadbalance policy ECOMPOLICY
    loadbalance vip icmp-reply active
  class ECOMVIP_v4
    loadbalance vip inservice
    loadbalance policy ECOMPOLICY_v4
    loadbalance vip icmp-reply active

interface vlan 82
  description ACE_outside
  ipv6 enable
  ip address 2001:db8:192:20a4::28/64
  ip address 192.168.20.28 255.255.255.248
  alias 192.168.20.30 255.255.255.248
  peer ip address 192.168.20.29 255.255.255.248
  access-group input out2in
  access-group input out2in_ipv6
  service-policy input ECOM_MATCH
  service-policy input MGMT

```

```

    no shutdown
interface vlan 83
    description ACE_inside
    ip address 192.168.20.4 255.255.255.248
    alias 192.168.20.6 255.255.255.248
    peer ip address 192.168.20.5 255.255.255.248
    access-group input in2out
    nat-pool 2 192.168.20.3 192.168.20.3 netmask 255.255.255.248
    no shutdown

domain cisco-irn.com

ip route 0.0.0.0 0.0.0.0 192.168.20.25
ip route ::/0 2001:db8:192:20a4::25

username csmadmin password 5 $1$1VYOv92B$VMTmZoUY0NNcYVlpaA1eo0 role Admin domain
default-domain cisco-irn.com
username bmcgloth password 5 $1$IVI7Dovp$tGZ11k6CUpXTAfuI.pAax/ role Admin domain
default-domain cisco-irn.com
username lmsadmin password 5 $1$vnpxp4FR$KrnWU18lwQYbyxmcKOGc5. role Admin domain
default-domain cisco-irn.com

ACE1/PCI#

```

RIE-3

```

Building configuration...

Current configuration : 14480 bytes
!
! Last configuration change at 08:57:09 PST Thu Dec 6 2012 by bmcgloth
! NVRAM config last updated at 08:57:11 PST Thu Dec 6 2012 by bmcgloth
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
service counters max age 5
!
hostname RIE-3
!
boot-start-marker
boot system flash disk0:/s72033-adventerprisek9-mz.151-1.SY.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 51200
logging cns-events
enable secret 5 <removed>
enable password 7 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>

```



```

username emc-ncm privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
!
aaa session-id common
svcllc multiple-vlan-interfaces
svcllc module 3 vlan-group 21,82,83,85
svcllc vlan-group 21 21
svcllc vlan-group 82 82
svcllc vlan-group 83 83
svcllc vlan-group 85 85
firewall multiple-vlan-interfaces
firewall module 7 vlan-group 21,82,200,300
firewall vlan-group 200 22,2305-2307
firewall vlan-group 300 91,92
intrusion-detection module 2 management-port access-vlan 21
intrusion-detection module 2 data-port 1 trunk allowed-vlan 21,83,84,421
clock timezone PST -8
clock summer-time PSTDST recurring
vtp mode transparent
!
!
no ip bootp server
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
ipv6 multicast rpf use-bgp
mls netflow interface
no mls acl tcam share-global
mls cef error action freeze
password encryption aes
!
crypto pki trustpoint TP-self-signed-1014
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1014
  revocation-check none
  rsakeypair TP-self-signed-1014
!
!
crypto pki certificate chain TP-self-signed-1014
  certificate self-signed 01
    3082023F 308201A8 A0030201 02020101 300D0609 2A864886 F70D0101 04050030
    2B312930 27060355 04031320 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 31303134 301E170D 31313032 31323030 35393332 5A170D32
    30303130 31303030 3030305A 302B3129 30270603 55040313 20494F53 2D53656C
    662D5369 676E6564 2D436572 74696669 63617465 2D313031 3430819F 300D0609
    2A864886 F70D0101 01050003 818D0030 81890281 8100BD3E 21BA6626 B7F82E4E
    6B794439 27C36926 27B198DA D92E879D A437284D 4076D650 F671EA49 CC7A9DA4

```

```
BC96B207 7807450D A55F5A9B 85CACE8E E9B85199 B84525E5 FBC82F1D 733A1942
C47E1F87 87E1026B CD22859C 52307096 B3A6EEEE BCCB3C20 7F39EBCF 6729C4FC
A13306CF 90815A20 CFA00678 E0856486 3BC8BB88 D51D0203 010001A3 73307130
0F060355 1D130101 FF040530 030101FF 301E0603 551D1104 17301582 13524945
2D332E63 6973636F 2D69726E 2E636F6D 301F0603 551D2304 18301680 14E7FF36
6947643E 752F921F 7674D7DE F1370E50 C6301D06 03551D0E 04160414 E7FF3669
47643E75 2F921F76 74D7DEF1 370E50C6 300D0609 2A864886 F70D0101 04050003
81810080 3C7C2250 36EB62DD 12772E91 E3A2CB7D 3D175E31 611404A1 947D97EA
37E4A5B5 8E888072 B765C977 08C0108C 34FD4AE5 D642F10D 839BE779 F6F2E03F
581EC8E1 012FA710 583A0E9E B97CCFC0 16AB39CE B8E7A5AB E42C38EB 33CD9F4C
1D9D5666 1EF8DC52 22C084B1 1C33DB38 0C9E2045 6EBD8BCD B779B172 0B5BE8F5 E5D9DB
quit
!
!
!
!
!
!
!
!
no power enable module 4
!
!
!
!
!
!
!
!
!
!
!
!
!
!
diagnostic bootup level minimal
!
!
archive
log config
logging enable
notify syslog contenttype plaintext
hidekeys
!
spanning-tree mode pvst
spanning-tree extend system-id
!
redundancy
main-cpu
auto-sync running-config
mode sso
!
vlan internal allocation policy ascending
vlan access-log ratelimit 2000
!
vlan 21
name asasm_inside
!
vlan 22
name asasm_outside
!
vlan 82
```

```
    name asasm_Loadbalance_top
    !
vlan 83
    name Loadbalance_bottom
    !
vlan 84
    name Servers
    !
vlan 85
    name Loadbalance_sync
    !
vlan 91
    name asasm_failover
    !
vlan 92
    name asasm_statelink
    !
vlan 421
    name ASASM-to-IDSM
    !
vlan 993
    name Management
    !
vlan 995
    name DMZ_Management
    !
vlan 2305
    name asasm_EmailSecurityAppliance
    !
vlan 2306
    name asasm_EmailSecurityMgrAppliance
    !
vlan 2307
    name asasm_WebSecApp
    !
ip ssh version 2
ip scp server enable
!
!
!
!
crypto isakmp policy 10
    authentication pre-share
crypto isakmp key <removed> address 128.107.147.109
!
!
crypto ipsec transform-set to_fred esp-des esp-md5-hmac
    mode tunnel
!
!
!
crypto map myvpn 10 ipsec-isakmp
    set peer 128.107.147.109
    set transform-set to_fred
    match address 101
!
!
!
!
interface Port-channel99
    switchport
    switchport trunk encapsulation dot1q
```

```
switchport mode trunk
!
interface Tunnel0
ip address 172.26.0.1 255.255.255.0
tunnel source Vlan21
tunnel destination 128.107.147.109
!
interface GigabitEthernet1/1
description RIE-1 G0/1
switchport
switchport access vlan 22
!
interface GigabitEthernet1/2
description RIE-2 G0/1
switchport
switchport access vlan 22
!
interface GigabitEthernet1/3
no ip address
!
interface GigabitEthernet1/4
no ip address
!
interface GigabitEthernet1/5
description ASA-IE-1 G0
switchport
switchport access vlan 21
!
interface GigabitEthernet1/6
no ip address
!
interface GigabitEthernet1/7
no ip address
!
interface GigabitEthernet1/8
no ip address
!
interface GigabitEthernet1/9
no ip address
!
interface GigabitEthernet1/10
no ip address
!
interface GigabitEthernet1/11
no ip address
!
interface GigabitEthernet1/12
no ip address
!
interface GigabitEthernet1/13
description ESA-IE-1 port M
switchport
switchport access vlan 2306
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/14
description ESA-IE-1 port D1
switchport
switchport access vlan 2306
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/15
```

```
description ESA-IE-1 port D2
switchport
switchport access vlan 2306
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/16
description ESA-IE-1 port D3
switchport
switchport access vlan 2306
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/17
description WSA-IE-1 port P1
no ip address
!
interface GigabitEthernet1/18
description WSA-IE-1 port P2
no ip address
!
interface GigabitEthernet1/19
description WSA-IE-1 port T1
no ip address
!
interface GigabitEthernet1/20
description WSA-IE-1 port T2
no ip address
!
interface GigabitEthernet1/21
description ESA-IE-1 port M
switchport
switchport access vlan 2305
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/22
description ESA-IE-1 port D1
switchport
switchport access vlan 2305
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/23
description ESA-IE-1 port D2
switchport
switchport access vlan 2305
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/24
description ESA-IE-1 port D3
switchport
switchport access vlan 2305
switchport mode access
spanning-tree portfast edge
!
interface GigabitEthernet1/25
description WSA-IE-1 port M
switchport
switchport access vlan 2307
switchport mode access
spanning-tree portfast edge
!
```

```
interface GigabitEthernet1/26
  no ip address
!
interface GigabitEthernet1/27
  no ip address
!
interface GigabitEthernet1/28
  no ip address
!
interface GigabitEthernet1/29
  no ip address
!
interface GigabitEthernet1/30
  no ip address
!
interface GigabitEthernet1/31
  no ip address
!
interface GigabitEthernet1/32
  no ip address
!
interface GigabitEthernet1/33
  no ip address
!
interface GigabitEthernet1/34
  no ip address
!
interface GigabitEthernet1/35
  no ip address
!
interface GigabitEthernet1/36
  no ip address
!
interface GigabitEthernet1/37
  no ip address
!
interface GigabitEthernet1/38
  no ip address
!
interface GigabitEthernet1/39
  no ip address
!
interface GigabitEthernet1/40
  no ip address
!
interface GigabitEthernet1/41
  no ip address
!
interface GigabitEthernet1/42
  no ip address
!
interface GigabitEthernet1/43
  no ip address
!
interface GigabitEthernet1/44
  no ip address
!
interface GigabitEthernet1/45
  no ip address
!
interface GigabitEthernet1/46
  no ip address
!
interface GigabitEthernet1/47
```

```
description UPLINK from SIE-1
switchport
switchport trunk encapsulation dot1q
switchport mode trunk
!
interface GigabitEthernet1/48
description UPLINK from SIE-2
switchport
switchport trunk encapsulation dot1q
switchport mode trunk
!
interface GigabitEthernet5/1
switchport
switchport trunk encapsulation dot1q
switchport mode trunk
channel-group 99 mode active
!
interface GigabitEthernet5/2
switchport
switchport trunk encapsulation dot1q
switchport mode trunk
channel-group 99 mode active
!
interface Vlan1
no ip address
!
interface Vlan21
description RIE-3 Management
ip address 192.168.21.91 255.255.255.0
crypto map myvpn
!
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha rc4-128-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
!
ip route 0.0.0.0 0.0.0.0 192.168.21.10
ip route 10.10.0.0 255.255.0.0 192.168.21.1
ip route 10.10.0.0 255.255.252.0 192.168.21.10
ip route 10.10.192.0 255.255.240.0 172.26.0.2
ip route 192.168.0.0 255.255.0.0 192.168.21.1
ip route 192.168.23.0 255.255.255.0 192.168.21.10
ip tacacs source-interface Vlan21
!
!
logging trap debugging
logging source-interface Vlan21
logging host 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 192.168.42.139 log
access-list 23 permit 10.19.151.104 log
access-list 23 permit 10.19.151.102 log
```

```

access-list 23 permit 10.19.151.103 log
access-list 23 permit 10.19.151.100 log
access-list 23 permit 10.19.151.101 log
access-list 23 permit 10.19.151.98 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.122 log
access-list 88 deny any log
access-list 101 permit gre host 192.168.21.91 host 128.107.147.109
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 23
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps hsrp
snmp-server enable traps mac-notification move threshold change
snmp-server enable traps ipsla
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 <removed>
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C

```



```
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
!
scheduler allocate 20000 1000
ntp source Vlan21
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
!
end
```

Branch

Large Branch

R-A2-LRG-1

```

!
! Last configuration change at 00:54:49 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:54:49 PST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname R-A2-Lrg-1
!
boot-start-marker
boot system flash0 c3900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
    action-type start-stop
    group tacacs+
!
aaa accounting commands 15 default
    action-type start-stop
    group tacacs+
!
aaa accounting system default
    action-type start-stop
    group tacacs+
!
!
!
!
!
aaa session-id common
!

```

```
clock timezone PST -8 0
clock summer-time PST recurring
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-72006796
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-72006796
  revocation-check none
!
!
crypto pki certificate chain TP-self-signed-72006796
  certificate self-signed 03
    <removed>
  quit
no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip inspect log drop-pkt
ip inspect audit-trail
ip ips config location flash0: retries 1 timeout 1
ip ips name Store-IPS
!
ip ips signature-category
  category all
  retired true
  category ios_ips default
  retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
  WAAS enable
parameter-map type inspect Inspect-1
  audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
```

```

!
!
!
license udi pid C3900-SPE150/K9 sn <removed>
hw-module pvdm 0/0
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object NAC-2
 group-object NAC-1

```

```

!
object-group network DC-ALL
  description All of the Data Center
  192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
  description all store networks
  10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network WCSManager
  description Wireless Manager
  host 192.168.43.135
!
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  host 192.168.43.21
  host 192.168.43.22
!
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  host 192.168.43.31
  host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
  host 192.168.44.111
!
object-group network MSP-DC-1
  description Data Center VSOM
  host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object PAME-DC-1
  group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0

```

```

10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group network DC-Admin
description DC Admin Systems
host 192.168.41.101
host 192.168.41.102
!
object-group network CSManager
description Cisco Security Manager
host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object EMC-NCM
group-object CSManager
!
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center
192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
description SAP POS Communication from Store to Data Center
192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
description Oracle POS Communication from Store to Data Center
192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!

```

```

object-group network DC-WAAS
  description WAE Appliances in Data Center
  host 192.168.48.10
  host 192.168.49.10
  host 192.168.47.11
  host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-Admin
  group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0
  10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0
  10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  udp eq syslog
  udp eq snmp
  udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq tacacs
  udp eq 1812
  udp eq 1813
  tcp eq 389
  tcp eq 636
!
object-group service vCenter-to-ESX4
  description Communication from vCenter to ESX hosts
  tcp eq 5989
  tcp eq 8000
  tcp eq 902
  tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq 22
  group-object vCenter-to-ESX4
!
object-group service ESX-SLP
  description CIM Service Location Protocol (SLP) for VMware systems
  udp eq 427
  tcp eq 427
!

```

```

object-group service CSM_INLINE_svc_rule_81604381005
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object vCenter-to-ESX4
  group-object ESX-SLP
!
object-group service ORACLE-RMI
  description RMI TCP ports 1300 and 1301-1319.
  tcp range 1300 1319
!
object-group service ORACLE-Weblogic
  description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
  tcp eq 7001
  tcp eq 7002
  tcp eq 1521
!
object-group service ORACLE-WAS
  description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
  tcp eq 2809
  tcp eq 9443
  tcp eq 1414
!
object-group service ORACLE-OAS
  description OAS uses one port for HTTP and RMI - 12601.
  tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object ORACLE-RMI
  group-object ORACLE-Weblogic
  group-object ORACLE-WAS
  group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_81604381011
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object ORACLE-RMI
  group-object ORACLE-Weblogic
  group-object ORACLE-WAS
  group-object ORACLE-OAS
!
object-group service HTTPS-8443
  tcp eq 8443
!
object-group service CSM_INLINE_svc_rule_81604381013
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!

```



```

object-group service TOMAX-8990
  description Tomax Application Port
  tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service ICMP-Requests
  description ICMP requests
  icmp information-request
  icmp mask-request
  icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  udp

```

```

    tcp eq 443
    !
object-group service DNS-Resolving
  description Domain Name Server
  tcp eq domain
  udp eq domain
  !
object-group service CSM_INLINE_svc_rule_81604381035
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  udp eq bootps
  group-object DNS-Resolving
  !
object-group service CSM_INLINE_svc_rule_81604381037
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www
  tcp eq 443
  group-object HTTPS-8443
  !
object-group service CSM_INLINE_svc_rule_81604381039
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  !
object-group service CSM_INLINE_svc_rule_81604381041
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  !
object-group service LWAPP
  description LWAPP UDP ports 12222 and 12223
  udp eq 12222
  udp eq 12223
  !
object-group service TFTP
  description Trivial File Transfer
  tcp eq 69
  udp eq tftp
  !
object-group service IP-Protocol-97
  description IP protocol 97
  97
  !
object-group service CSM_INLINE_svc_rule_81604381043
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq www
  tcp eq 22
  tcp eq telnet
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object TFTP
  group-object IP-Protocol-97
  !
object-group service Cisco-Mobility

```

```

description Mobility ports for Wireless
udp eq 16666
udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq isakmp
group-object CAPWAP
group-object LWAPP
group-object Cisco-Mobility
group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp
tcp eq 139
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp
tcp eq 139
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp
tcp eq 139
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp
tcp-udp eq 5060
tcp eq 2000
tcp eq www
tcp eq 443
group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp-udp eq 5060
tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
!

```

```

object-group service CSM_INLINE_svc_rule_81604381063
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
!
object-group service Netbios
  description Netbios Servers
  udp eq netbios-dgm
  udp eq netbios-ns
  tcp eq 139
!
object-group service ORACLE-SIM
  description Oracle Store Inventory Management
  tcp eq 7777
  tcp eq 6003
  tcp range 12401 12500
!
object-group service RDP
  description Windows Remote Desktop
  tcp eq 3389
!
object-group service Workbrain
  tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq ftp
  tcp eq www
  tcp eq 443
  udp eq 88
  tcp-udp eq 42
  group-object Microsoft-DS-SMB
  group-object Netbios
  group-object ORACLE-SIM
  group-object RDP
  group-object Workbrain
!
object-group network DC-Applications
  description Applications in the Data Center that are non-PCI related(Optimized by
  CS-Manager)
  192.168.180.0 255.255.254.0
!
object-group network DC-Voice
  description Data Center Voice
  192.168.45.0 255.255.255.0
!
object-group network MS-Update
  description Windows Update Server
  host 192.168.42.150
!
object-group network MExchange
  description Mail Server
  host 192.168.42.140
!
object-group service NTP
  description NTP Protocols
  tcp eq 123
  udp eq ntp
!

```

```

object-group network NTP-Servers
  description NTP Servers
  host 192.168.62.161
  host 162.168.62.162
!
object-group network STORE-POS
  10.10.0.0 255.255.0.0
!
object-group network vSphere-1
  description vSphere server for Lab
  host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
  match protocol http
  match protocol https
  match protocol microsoft-ds
  match protocol ms-sql
  match protocol ms-sql-m
  match protocol netbios-dgm
  match protocol netbios-ns
  match protocol oracle
  match protocol oracle-em-vp
  match protocol oraclenames
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
  match access-group name CSM_ZBF_CMAP_ACL_10
  match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
  match protocol http
  match protocol https
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
  match access-group name CSM_ZBF_CMAP_ACL_23
  match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
  match protocol http
  match protocol https
  match protocol imap3
  match protocol pop3
  match protocol pop3s
  match protocol smtp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
  match access-group name CSM_ZBF_CMAP_ACL_32
  match class-map CSM_ZBF_CMAP_PLMAP_17

```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
  match access-group name CSM_ZBF_CMAP_ACL_11
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
  match protocol http
  match protocol https
  match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
  match access-group name CSM_ZBF_CMAP_ACL_22
  match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
  match protocol http
  match protocol https
  match protocol netbios-dgm
  match protocol netbios-ns
  match protocol netbios-ssn
  match protocol ftp
  match protocol ssh
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
  match access-group name CSM_ZBF_CMAP_ACL_33
  match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
  match protocol sip
  match protocol sip-tls
  match protocol skinny
  match protocol tftp
  match protocol http
  match protocol https
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
  match access-group name CSM_ZBF_CMAP_ACL_12
  match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
  match protocol https
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
  match access-group name CSM_ZBF_CMAP_ACL_21
  match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
  match protocol http
  match protocol https
  match protocol icmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
  match access-group name CSM_ZBF_CMAP_ACL_30
  match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
  match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
  match access-group name CSM_ZBF_CMAP_ACL_20
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
  match protocol http
  match protocol https
  match protocol udp
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
  match access-group name CSM_ZBF_CMAP_ACL_31
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
  match protocol tftp
```

```
match protocol nfs
match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
match access-group name CSM_ZBF_CMAP_ACL_14
match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
match access-group name CSM_ZBF_CMAP_ACL_27
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
match access-group name CSM_ZBF_CMAP_ACL_26
match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
match protocol tcp
match protocol udp
match protocol http
match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
match access-group name CSM_ZBF_CMAP_ACL_37
match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
match protocol syslog
match protocol syslog-conn
match protocol snmp
match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
match access-group name CSM_ZBF_CMAP_ACL_16
match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
match protocol http
match protocol https
match protocol isakmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
match access-group name CSM_ZBF_CMAP_ACL_25
match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
match protocol ldaps
match protocol ldap
match protocol ldap-admin
match protocol radius
match protocol tacacs
match protocol tacacs-ds
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
match access-group name CSM_ZBF_CMAP_ACL_17
match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
match protocol http
match protocol https
```

```

match protocol netbios-ns
match protocol netbios-dgm
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
match access-group name CSM_ZBF_CMAP_ACL_24
match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
match access-group name CSM_ZBF_CMAP_ACL_35
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
match protocol ntp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
match access-group name CSM_ZBF_CMAP_ACL_18
match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
match protocol bootpc
match protocol bootps
match protocol udp
match protocol tcp
match protocol dns
match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
match access-group name CSM_ZBF_CMAP_ACL_19
match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
match access-group name CSM_ZBF_CMAP_ACL_29
match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
match access-group name CSM_ZBF_CMAP_ACL_38
match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
match access-group name CSM_ZBF_CMAP_ACL_28
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
match protocol https
match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
match access-group name CSM_ZBF_CMAP_ACL_1
match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
match access-group name CSM_ZBF_CMAP_ACL_3
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
match protocol https
match protocol http
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
match access-group name CSM_ZBF_CMAP_ACL_2
match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
match access-group name CSM_ZBF_CMAP_ACL_5
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
match protocol http

```



```

match protocol https
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
  match access-group name CSM_ZBF_CMAP_ACL_4
  match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
  match access-group name CSM_ZBF_CMAP_ACL_7
  match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
  match access-group name CSM_ZBF_CMAP_ACL_6
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
  match access-group name CSM_ZBF_CMAP_ACL_9
  match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
  match protocol http
  match protocol https
  match protocol ssh
  match protocol telnet
  match protocol tftp
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
  match access-group name CSM_ZBF_CMAP_ACL_8
  match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
  match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
  match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
  match protocol citrix
  match protocol ldap
  match protocol telnet
  match protocol sqlnet
  match protocol http url "*SalesReport*"
  match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
  match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
  match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
  match ip dscp 25
class-map match-any BRANCH-NET-MGMT
  match protocol snmp
  match protocol syslog
  match protocol dns
  match protocol icmp
  match protocol ssh
  match access-group name NET-MGMT-APPS
class-map match-all ROUTING
  match ip dscp cs6
class-map match-all SCAVENGER
  match ip dscp cs1
class-map match-all NET-MGMT
  match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
  match protocol gnutella
  match protocol fasttrack
  match protocol kazaa2
class-map match-any CALL-SIGNALING
  match ip dscp cs3

```

```

class-map match-all TRANSACTIONAL-DATA
  match ip dscp af21 af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
  class class-default
policy-map BRANCH-WAN-EDGE
  class VOICE
    priority percent 18
  class INTERACTIVE-VIDEO
    priority percent 15
  class CALL-SIGNALING
    bandwidth percent 5
  class ROUTING
    bandwidth percent 3
  class NET-MGMT
    bandwidth percent 2
  class MISSION-CRITICAL-DATA
    bandwidth percent 15
    random-detect
  class TRANSACTIONAL-DATA
    bandwidth percent 12
    random-detect dscp-based
  class BULK-DATA
    bandwidth percent 4
    random-detect dscp-based
  class SCAVENGER
    bandwidth percent 1
  class class-default
    bandwidth percent 25
    random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
  class type inspect CSM_ZBF_CLASS_MAP_14
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_25
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1

```

```
class type inspect CSM_ZBF_CLASS_MAP_23
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_36
drop log
class type inspect CSM_ZBF_CLASS_MAP_37
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_24
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_34
drop log
class type inspect CSM_ZBF_CLASS_MAP_35
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
```

```

drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_21
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_38
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
class type inspect CSM_ZBF_CLASS_MAP_15
pass
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_26

```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_31
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
class type inspect CSM_ZBF_CLASS_MAP_30
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
class type inspect CSM_ZBF_CLASS_MAP_13
pass
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_12
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7

```

```

class type inspect CSM_ZBF_CLASS_MAP_9
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_10
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_11
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_8
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_7
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_5
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_4
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_2
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop
policy-map BRANCH-LAN-EDGE-IN
class BRANCH-MISSION-CRITICAL

```

```

    set ip dscp 25
class BRANCH-TRANSACTIONAL-DATA
    set ip dscp af21
class BRANCH-NET-MGMT
    set ip dscp cs2
class BRANCH-BULK-DATA
    set ip dscp af11
class BRANCH-SCAVENGER
    set ip dscp cs1
!
zone security S_WAN
    description Store WAN Link
zone security S_R-2-R
    description Bridge link between routers
zone security LOOPBACK
    description Loopback interface
zone security S_MGMT
    description VLAN1000 Management
zone security S_Security
    description VLAN20 Physical Security Systems
zone security S_WAAS
    description VLAN19 WAAS optimization
zone security S_WLC-AP
    description VLAN18 Wireless Systems
zone security S_Data
    description VLAN12 Store Data
zone security S_Data-W
    description VLAN14 Store Wireless Data
zone security S_Guest
    description VLAN17 Guest/Public Wireless
zone security S_Voice
    description VLAN13 Store Voice
zone security S_Partners
    description VLAN16 Partner network
zone security S_POS
    description VLAN 11 POS Data
zone security S_POS-W
    description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
    service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
    service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
    service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
    service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
    service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
    service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
    service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
    service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
    service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
    service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
    service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
    service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
    service-policy type inspect CSM_ZBF_POLICY_MAP_1

```

```

zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_18

```



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zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!

```

```

!
interface Loopback0
 ip address 10.10.110.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/0.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.96.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip helper-address 192.168.42.111
 ip pim sparse-dense-mode
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
 standby 11 ip 10.10.96.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.97.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.97.1
 standby 12 priority 101
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.98.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.98.1
 standby 13 priority 101
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.14
 description WIRELESS
 encapsulation dot1Q 14
 ip address 10.10.99.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_Data-W
 standby 14 ip 10.10.99.1
 standby 14 priority 101
 standby 14 preempt

```

```
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.15
description WIRELESS-POS
encapsulation dot1Q 15
ip address 10.10.100.2 255.255.255.0
ip helper-address 192.168.42.130
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS-W
standby 15 ip 10.10.100.1
standby 15 priority 101
standby 15 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.16
description PARTNER
encapsulation dot1Q 16
ip address 10.10.101.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Partners
standby 16 ip 10.10.101.1
standby 16 priority 101
standby 16 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.17
description WIRELESS-GUEST
encapsulation dot1Q 17
ip address 10.10.102.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Guest
standby 17 ip 10.10.102.1
standby 17 priority 101
standby 17 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.18
description WIRELESS-CONTROL
encapsulation dot1Q 18
ip address 10.10.103.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WLC-AP
standby 18 ip 10.10.103.1
standby 18 priority 101
standby 18 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.19
description WAAS
encapsulation dot1Q 19
ip address 10.10.104.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WAAS
standby 19 ip 10.10.104.1
standby 19 priority 101
standby 19 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
```

```

!
interface GigabitEthernet0/0.20
description SECURITY-SYSTEMS
encapsulation dot1Q 20
ip address 10.10.105.2 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Security
standby 20 ip 10.10.105.1
standby 20 priority 101
standby 20 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.102
description ROUTER LINK TO
encapsulation dot1Q 102
ip address 10.10.110.29 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/0.1000
description MANAGEMENT
encapsulation dot1Q 1000
ip address 10.10.111.2 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.111.1
standby 100 priority 101
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1
no ip address
duplex auto
speed auto
!
interface GigabitEthernet0/1.101
description ROUTER LINK TO
encapsulation dot1Q 101
ip address 10.10.110.25 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/2
ip address 10.10.255.96 255.255.255.0
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_WAN
duplex auto
speed auto
service-policy output BRANCH-WAN-EDGE
!
!
router ospf 5
router-id 10.10.110.1
redistribute connected subnets
passive-interface default
no passive-interface GigabitEthernet0/0.102
no passive-interface GigabitEthernet0/1.101
network 10.10.0.0 0.0.255.255 area 10
default-information originate
!

```

```

no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
remark ---File Transfer---
permit tcp any any eq ftp
permit tcp any any eq ftp-data
remark ---E-mail traffic---
permit tcp any any eq smtp
permit tcp any any eq pop3
permit tcp any any eq 143
remark ---other EDM app protocols---
permit tcp any any range 3460 3466
permit tcp any range 3460 3466 any
remark ---messaging services---
permit tcp any any eq 2980
permit tcp any eq 2980 any
remark ---Microsoft file services---
permit tcp any any range 137 139
permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
remark Data Center Mgmt to Devices
permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
remark Data Center VOICE (wired and Wireless)
permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
remark Store WAAS to Clients and Servers
permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
remark Syslog and SNMP Alerts

```

```

    permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
    remark Store to Data Center Authentications
    permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
    remark Store to Data Center for NTP
    permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
    remark Store to Data Center for DHCP and DNS
    permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
    ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
    remark Data Center subscribe to IPS SDEE events
    permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
    remark Store UCS E-series server to Data Center vShphere
    permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
    vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
    remark Store NAC
    permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
    remark Store to Data Center Physical Security
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
    remark Store WAAS (WAAS Devices need their own zone)
    permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
    DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
    remark Store to Data Center wireless controller traffic
    permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
    DC-POS-Oracle
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
    DC-POS-SAP
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
    DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381023 object-group
    CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
    remark Permit ICMP traffic

```

```

    permit object-group CSM_INLINE_svc_rule_81604381041 object-group
CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
    remark Permit POS clients to talk to store POS server
    permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
    remark Store DATA (wired and Wireless - Access to DC Other applications)
    permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
    remark Store GUEST - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
    remark Store GUEST (access to internet/DMZ web servers)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
    remark Store PARTNERS - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
ip access-list extended CSM_ZBF_CMAP_ACL_37
    remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
    remark Store VOICE (wired and Wireless - Access to corporate wide voice)
    permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
    remark Data Center vSphere to UCS E-series server
    permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
    remark Data Center to Store Physical Security
    permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
    remark Data Center Mgmt to Devices
    permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
    remark Data Center WAAS to Store
    permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
    remark Data Center Wireless Control to AP's and Controllers in stores
    permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
    remark Data Center Mgmt to Devices
    permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
    remark ---POS Applications---
    permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
    remark - Router user Authentication - Identifies TACACS Control traffic
    permit tcp any any eq tacacs
    permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
    remark ---Workbrain Application---
```

```

remark --Large Store Clock Server to Central Clock Application
permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
remark --Large store Clock Server to CUAE
permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
remark ---LiteScape Application---
permit ip any host 192.168.46.82
permit ip any 239.192.0.0 0.0.0.255
permit ip any host 239.255.255.250
remark ---Remote Desktop---
permit tcp any any eq 3389
permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp any 192.168.46.0 0.0.0.255 eq 7777
permit tcp any 192.168.46.0 0.0.0.255 eq 6003
permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!
!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp

```



```
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
session-timeout 15 output
exec-timeout 15 0
login authentication RETAIL
```

```

line aux 0
  session-timeout 1 output
  exec-timeout 0 1
  privilege level 0
  login authentication RETAIL
  no exec
  transport preferred none
  transport output none
line vty 0 4
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

R-A2-LRG-2

```

!
! Last configuration change at 00:59:26 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 01:00:56 PST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname R-A2-Lrg-2
!
boot-start-marker
boot system flash0 c3900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>

```

```
!  
aaa new-model  
!  
!  
aaa authentication login RETAIL group tacacs+ local  
aaa authentication enable default group tacacs+ enable  
aaa authorization exec default group tacacs+ if-authenticated  
aaa accounting update newinfo  
aaa accounting exec default  
    action-type start-stop  
    group tacacs+  
!  
aaa accounting commands 15 default  
    action-type start-stop  
    group tacacs+  
!  
aaa accounting system default  
    action-type start-stop  
    group tacacs+  
!  
!  
!  
!  
!  
aaa session-id common  
!  
clock timezone PST -8 0  
clock summer-time PST recurring  
!  
crypto pki token default removal timeout 0  
!  
crypto pki trustpoint TP-self-signed-660084654  
    enrollment selfsigned  
    subject-name cn=IOS-Self-Signed-Certificate-660084654  
    revocation-check none  
    rsakeypair TP-self-signed-660084654  
!  
!  
crypto pki certificate chain TP-self-signed-660084654  
    certificate self-signed 01  
        <removed>  
    quit  
no ipv6 cef  
no ip source-route  
ip cef  
!  
!  
!  
ip multicast-routing  
!  
!  
no ip bootp server  
ip domain name cisco-irn.com  
ip name-server 192.168.42.130  
ip port-map user-8443 port tcp 8443  
ip inspect log drop-pkt  
ip inspect audit-trail  
ip ips config location flash0: retries 1 timeout 1  
ip ips name Store-IPS  
!  
ip ips signature-category  
    category all  
    retired true
```

```

        category ios_ips default
        retired false
    !
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
    WAAS enable
parameter-map type inspect Inspect-1
    audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!
!
!
license udi pid C3900-SPE150/K9 sn <removed>
hw-module pvdm 0/0
!
!
!
archive
    log config
    logging enable
    notify syslog contenttype plaintext
    hidekeys
object-group network ActiveDirectory.cisco-irn.com
    host 192.168.42.130
!
object-group service CAPWAP
    description CAPWAP UDP ports 5246 and 5247
    udp eq 5246
    udp eq 5247
!
object-group service CISCO-WAAS
    description Ports for Cisco WAAS
    tcp eq 4050
!
object-group network EMC-NCM
    description EMC Network Configuration Manager
    host 192.168.42.122
!
object-group network RSA-enVision
    description RSA EnVision Syslog collector and SIM
    host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
    description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
    group-object EMC-NCM

```

```

    group-object RSA-enVision
!
object-group network TACACS
  description Csico Secure ACS server for TACACS and Radius
  host 192.168.42.131
!
object-group network RSA-AM
  description RSA Authentication Manager for SecureID
  host 192.168.42.137
!
object-group network NAC-1
  description ISE server for NAC
  host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object ActiveDirectory.cisco-irn.com
  group-object TACACS
  group-object RSA-AM
  group-object NAC-1
!
object-group network NAC-2
  host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object NAC-2
  group-object NAC-1
!
object-group network DC-ALL
  description All of the Data Center
  192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
  description all store networks
  10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network WCSManager
  description Wireless Manager
  host 192.168.43.135
!
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  host 192.168.43.21
  host 192.168.43.22
!
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  host 192.168.43.31
  host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
  host 192.168.44.111

```

```

!
object-group network MSP-DC-1
  description Data Center VSOM
  host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object PAME-DC-1
  group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0
  10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0
  10.10.110.0 255.255.255.0
!
object-group network DC-Admin
  description DC Admin Systems
  host 192.168.41.101
  host 192.168.41.102
!
object-group network CSManager
  description Cisco Security Manager
  host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-Admin
  group-object EMC-NCM
  group-object CSManager
!
object-group network DC-POS-Tomax
  description Tomax POS Communication from Store to Data Center
  192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
  description SAP POS Communication from Store to Data Center
  192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
  description Oracle POS Communication from Store to Data Center
  192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)

```

```

group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!
object-group network DC-WAAS
description WAE Appliances in Data Center
host 192.168.48.10
host 192.168.49.10
host 192.168.47.11
host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq syslog
udp eq snmp
udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001

```

```

description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq tacacs
udp eq 1812
udp eq 1813
tcp eq 389
tcp eq 636
!
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts
tcp eq 5989
tcp eq 8000
tcp eq 902
tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq 22
group-object vCenter-to-ESX4
!
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
udp eq 427
tcp eq 427
!
object-group service CSM_INLINE_svc_rule_81604381005
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
group-object vCenter-to-ESX4
group-object ESX-SLP
!
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
tcp range 1300 1319
!
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
tcp eq 7001
tcp eq 7002
tcp eq 1521
!
object-group service ORACLE-WAS
description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
tcp eq 2809
tcp eq 9443
tcp eq 1414
!
object-group service ORACLE-OAS
description OAS uses one port for HTTP and RMI - 12601.
tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS

```



```

!
object-group service CSM_INLINE_svc_rule_81604381011
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object ORACLE-RMI
  group-object ORACLE-Weblogic
  group-object ORACLE-WAS
  group-object ORACLE-OAS
!
object-group service HTTPS-8443
  tcp eq 8443
!
object-group service CSM_INLINE_svc_rule_81604381013
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service TOMAX-8990
  description Tomax Application Port
  tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service ICMP-Requests
  description ICMP requests
  icmp information-request
  icmp mask-request
  icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)

```

```

icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
icmp redirect
icmp alternate-address
group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq smtp
tcp eq pop3
tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp
udp
tcp eq 443
!
object-group service DNS-Resolving
description Domain Name Server
tcp eq domain
udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq bootps
group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!

```

```
object-group service LWAPP
  description LWAPP UDP ports 12222 and 12223
  udp eq 12222
  udp eq 12223
!
object-group service TFTP
  description Trivial File Transfer
  tcp eq 69
  udp eq tftp
!
object-group service IP-Protocol-97
  description IP protocol 97
  97
!
object-group service CSM_INLINE_svc_rule_81604381043
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq www
  tcp eq 22
  tcp eq telnet
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object TFTP
  group-object IP-Protocol-97
!
object-group service Cisco-Mobility
  description Mobility ports for Wireless
  udp eq 16666
  udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object Cisco-Mobility
  group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
  tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
```

```

description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp
tcp eq 139
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp
tcp-udp eq 5060
tcp eq 2000
tcp eq www
tcp eq 443
group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp-udp eq 5060
tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381063
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq smtp
tcp eq pop3
tcp eq 143
!
object-group service Netbios
description Netbios Servers
udp eq netbios-dgm
udp eq netbios-ns
tcp eq 139
!
object-group service ORACLE-SIM
description Oracle Store Inventory Management
tcp eq 7777
tcp eq 6003
tcp range 12401 12500
!
object-group service RDP
description Windows Remote Desktop
tcp eq 3389
!
object-group service Workbrain
tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq ftp
tcp eq www
tcp eq 443
udp eq 88
tcp-udp eq 42

```

```

group-object Microsoft-DS-SMB
group-object Netbios
group-object ORACLE-SIM
group-object RDP
group-object Workbrain
!
object-group network DC-Applications
description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)
192.168.180.0 255.255.254.0
!
object-group network DC-Voice
description Data Center Voice
192.168.45.0 255.255.255.0
!
object-group network MS-Update
description Windows Update Server
host 192.168.42.150
!
object-group network MSEXchange
description Mail Server
host 192.168.42.140
!
object-group service NTP
description NTP Protocols
tcp eq 123
udp eq ntp
!
object-group network NTP-Servers
description NTP Servers
host 192.168.62.161
host 162.168.62.162
!
object-group network STORE-POS
10.10.0.0 255.255.0.0
!
object-group network vSphere-1
description vSphere server for Lab
host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
match protocol http
match protocol https
match protocol microsoft-ds
match protocol ms-sql
match protocol ms-sql-m
match protocol netbios-dgm
match protocol netbios-ns

```

```

match protocol oracle
match protocol oracle-em-vp
match protocol oraclenames
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
match access-group name CSM_ZBF_CMAP_ACL_10
match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
match protocol http
match protocol https
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
match access-group name CSM_ZBF_CMAP_ACL_23
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
match protocol http
match protocol https
match protocol imap3
match protocol pop3
match protocol pop3s
match protocol smtp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
match access-group name CSM_ZBF_CMAP_ACL_32
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
match access-group name CSM_ZBF_CMAP_ACL_11
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
match protocol http
match protocol https
match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
match access-group name CSM_ZBF_CMAP_ACL_22
match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol ftp
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
match access-group name CSM_ZBF_CMAP_ACL_33
match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tftp
match protocol http
match protocol https
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
match access-group name CSM_ZBF_CMAP_ACL_12
match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
match protocol https

```

```
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
  match access-group name CSM_ZBF_CMAP_ACL_21
  match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
  match protocol http
  match protocol https
  match protocol icmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
  match access-group name CSM_ZBF_CMAP_ACL_30
  match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
  match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
  match access-group name CSM_ZBF_CMAP_ACL_20
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
  match protocol http
  match protocol https
  match protocol udp
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
  match access-group name CSM_ZBF_CMAP_ACL_31
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
  match protocol tftp
  match protocol nfs
  match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
  match protocol http
  match protocol https
  match protocol netbios-dgm
  match protocol netbios-ns
  match protocol netbios-ssn
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
  match access-group name CSM_ZBF_CMAP_ACL_14
  match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
  match access-group name CSM_ZBF_CMAP_ACL_27
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
  match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
  match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
  match access-group name CSM_ZBF_CMAP_ACL_26
  match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
  match protocol tcp
  match protocol udp
  match protocol http
  match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
  match access-group name CSM_ZBF_CMAP_ACL_37
  match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
  match protocol syslog
  match protocol syslog-conn
  match protocol snmp
  match protocol snmptrap
```

```

class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
  match access-group name CSM_ZBF_CMAP_ACL_16
  match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
  match protocol http
  match protocol https
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
  match access-group name CSM_ZBF_CMAP_ACL_25
  match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
  match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
  match protocol ldaps
  match protocol ldap
  match protocol ldap-admin
  match protocol radius
  match protocol tacacs
  match protocol tacacs-ds
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
  match access-group name CSM_ZBF_CMAP_ACL_17
  match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
  match protocol http
  match protocol https
  match protocol netbios-ns
  match protocol netbios-dgm
  match protocol netbios-ssn
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
  match access-group name CSM_ZBF_CMAP_ACL_24
  match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
  match access-group name CSM_ZBF_CMAP_ACL_35
  match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
  match protocol ntp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
  match access-group name CSM_ZBF_CMAP_ACL_18
  match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
  match protocol bootpc
  match protocol bootps
  match protocol udp
  match protocol tcp
  match protocol dns
  match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
  match access-group name CSM_ZBF_CMAP_ACL_19
  match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
  match access-group name CSM_ZBF_CMAP_ACL_29
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
  match protocol sip
  match protocol sip-tls
  match protocol skinny
  match protocol tcp

```



```
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
match access-group name CSM_ZBF_CMAP_ACL_38
match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
match access-group name CSM_ZBF_CMAP_ACL_28
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
match protocol https
match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
match access-group name CSM_ZBF_CMAP_ACL_1
match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
match access-group name CSM_ZBF_CMAP_ACL_3
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
match protocol https
match protocol http
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
match access-group name CSM_ZBF_CMAP_ACL_2
match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
match access-group name CSM_ZBF_CMAP_ACL_5
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
match protocol http
match protocol https
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
match access-group name CSM_ZBF_CMAP_ACL_4
match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
match access-group name CSM_ZBF_CMAP_ACL_7
match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
match access-group name CSM_ZBF_CMAP_ACL_6
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
match access-group name CSM_ZBF_CMAP_ACL_9
match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
match protocol http
match protocol https
match protocol ssh
match protocol telnet
match protocol tftp
match protocol isakmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
match access-group name CSM_ZBF_CMAP_ACL_8
match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
match protocol citrix
match protocol ldap
match protocol telnet
```

```

match protocol sqlnet
match protocol http url "**SalesReport*"
match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
match ip dscp 25
class-map match-any BRANCH-NET-MGMT
match protocol snmp
match protocol syslog
match protocol dns
match protocol icmp
match protocol ssh
match access-group name NET-MGMT-APPS
class-map match-all ROUTING
match ip dscp cs6
class-map match-all SCAVENGER
match ip dscp cs1
class-map match-all NET-MGMT
match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
match protocol gnutella
match protocol fasttrack
match protocol kazaa2
class-map match-any CALL-SIGNALING
match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
match ip dscp af21 af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
class class-default
policy-map BRANCH-WAN-EDGE
class VOICE
priority percent 18
class INTERACTIVE-VIDEO
priority percent 15
class CALL-SIGNALING
bandwidth percent 5
class ROUTING
bandwidth percent 3
class NET-MGMT
bandwidth percent 2
class MISSION-CRITICAL-DATA
bandwidth percent 15
random-detect
class TRANSACTIONAL-DATA
bandwidth percent 12
random-detect dscp-based
class BULK-DATA
bandwidth percent 4
random-detect dscp-based
class SCAVENGER
bandwidth percent 1
class class-default
bandwidth percent 25
random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class class-default
drop

```

```
policy-map type inspect CSM_ZBF_POLICY_MAP_19
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_25
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_23
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_32
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_36
    drop log
  class type inspect CSM_ZBF_CLASS_MAP_37
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_24
    inspect Inspect-1
  class class-default
    drop log
```

```

policy-map type inspect CSM_ZBF_POLICY_MAP_24
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_34
    drop log
  class type inspect CSM_ZBF_CLASS_MAP_35
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_21
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_38
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
  class type inspect CSM_ZBF_CLASS_MAP_15
    pass
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
  class type inspect CSM_ZBF_CLASS_MAP_27

```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_31
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32

```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
class type inspect CSM_ZBF_CLASS_MAP_30
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
class type inspect CSM_ZBF_CLASS_MAP_13
pass
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_12
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
class type inspect CSM_ZBF_CLASS_MAP_9
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_10
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_11
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_8
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_7
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3

```

```

class type inspect CSM_ZBF_CLASS_MAP_1
  inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
  inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_5
  inspect Inspect-1
class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
  class type inspect CSM_ZBF_CLASS_MAP_1
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_4
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
  class type inspect CSM_ZBF_CLASS_MAP_1
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_2
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class class-default
    drop
policy-map BRANCH-LAN-EDGE-IN
  class BRANCH-MISSION-CRITICAL
    set ip dscp 25
  class BRANCH-TRANSACTIONAL-DATA
    set ip dscp af21
  class BRANCH-NET-MGMT
    set ip dscp cs2
  class BRANCH-BULK-DATA
    set ip dscp af11
  class BRANCH-SCAVENGER
    set ip dscp cs1
!
zone security S_WAN
  description Store WAN Link
zone security S_R-2-R
  description Bridge link between routers
zone security LOOPBACK
  description Loopback interface
zone security S_MGMT
  description VLAN1000 Management
zone security S_Security
  description VLAN20 Physical Security Systems
zone security S_WAAS
  description VLAN19 WAAS optimization
zone security S_WLC-AP
  description VLAN18 Wireless Systems
zone security S_Data
  description VLAN12 Store Data
zone security S_Data-W
  description VLAN14 Store Wireless Data
zone security S_Guest
  description VLAN17 Guest/Public Wireless
zone security S_Voice
  description VLAN13 Store Voice
zone security S_Partners
  description VLAN16 Partner network
zone security S_POS
  description VLAN 11 POS Data

```

```

zone security S_POS-W
  description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
  service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
  service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
  service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
  service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
  service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
  service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
  service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
  service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
  service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
  service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
  service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
  service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
  service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
  service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
  service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_15

```



```

zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14

```

```

zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!
!
interface Loopback0
ip address 10.10.110.2 255.255.255.255
ip pim sparse-dense-mode
zone-member security LOOPBACK
!
interface GigabitEthernet0/0
no ip address
duplex auto
speed auto
!
interface GigabitEthernet0/0.102
description ROUTER LINK TO
encapsulation dot1Q 102
ip address 10.10.110.30 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
!
interface GigabitEthernet0/1
description ROUTER LINK TO SWITCH
no ip address
duplex auto
speed auto
media-type rj45
!
interface GigabitEthernet0/1.11
description POS
encapsulation dot1Q 11
ip address 10.10.96.3 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS
standby 11 ip 10.10.96.1
standby 11 priority 99

```

```
standby 11 preempt
ip igmp query-interval 125
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
description DATA
encapsulation dot1Q 12
ip address 10.10.97.3 255.255.255.0
ip helper-address 192.168.42.130
ip wccp 61 redirect in
ip pim sparse-dense-mode
zone-member security S_Data
standby 12 ip 10.10.97.1
standby 12 priority 99
standby 12 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
description VOICE
encapsulation dot1Q 13
ip address 10.10.98.3 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Voice
standby 13 ip 10.10.98.1
standby 13 priority 99
standby 13 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.14
description WIRELESS
encapsulation dot1Q 14
ip address 10.10.99.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Data-W
standby 14 ip 10.10.99.1
standby 14 priority 99
standby 14 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
description WIRELESS-POS
encapsulation dot1Q 15
ip address 10.10.100.3 255.255.255.0
ip helper-address 192.168.42.130
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS-W
standby 15 ip 10.10.100.1
standby 15 priority 99
standby 15 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
description PARTNER
encapsulation dot1Q 16
ip address 10.10.101.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Partners
standby 16 ip 10.10.101.1
```

```

standby 16 priority 99
standby 16 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
description WIRELESS-GUEST
encapsulation dot1Q 17
ip address 10.10.102.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Guest
standby 17 ip 10.10.102.1
standby 17 priority 99
standby 17 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
description WIRELESS-CONTROL
encapsulation dot1Q 18
ip address 10.10.103.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WLC-AP
standby 18 ip 10.10.103.1
standby 18 priority 99
standby 18 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
description WAAS
encapsulation dot1Q 19
ip address 10.10.104.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WAAS
standby 19 ip 10.10.104.1
standby 19 priority 99
standby 19 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
description SECURITY-SYSTEMS
encapsulation dot1Q 20
ip address 10.10.105.3 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Security
standby 20 ip 10.10.105.1
standby 20 priority 99
standby 20 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.101
description ROUTER LINK TO
encapsulation dot1Q 101
ip address 10.10.110.26 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
!
interface GigabitEthernet0/1.1000
description MANAGEMENT
encapsulation dot1Q 1000

```

```

ip address 10.10.111.3 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.111.1
standby 100 priority 99
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/2
ip address 10.10.254.96 255.255.255.0
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_WAN
duplex auto
speed auto
service-policy output BRANCH-WAN-EDGE
!
!
router ospf 5
router-id 10.10.110.2
redistribute connected subnets
passive-interface default
no passive-interface GigabitEthernet0/0.102
no passive-interface GigabitEthernet0/1.101
network 10.10.0.0 0.0.255.255 area 10
default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.254.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
remark ---File Transfer---
permit tcp any any eq ftp
permit tcp any any eq ftp-data
remark ---E-mail traffic---
permit tcp any any eq smtp
permit tcp any any eq pop3
permit tcp any any eq 143
remark ---other EDM app protocols---
permit tcp any any range 3460 3466
permit tcp any range 3460 3466 any
remark ---messaging services---
permit tcp any any eq 2980
permit tcp any eq 2980 any
remark ---Microsoft file services---
permit tcp any any range 137 139
permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
remark Data Center Mgmt to Devices
permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS

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    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
    remark Data Center VOICE (wired and Wireless)
    permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
    permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
    remark Store WAAS to Clients and Servers
    permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
    permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
    remark Syslog and SNMP Alerts
    permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
    remark Store to Data Center Authentications
    permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
    remark Store to Data Center for NTP
    permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
    remark Store to Data Center for DHCP and DNS
    permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
    remark Data Center subscribe to IPS SDEE events
    permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
    remark Store UCS E-series server to Data Center vShphere
    permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
    remark Store NAC
    permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
    remark Store to Data Center Physical Security
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
    remark Store WAAS (WAAS Devices need their own zone)
    permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
    remark Store to Data Center wireless controller traffic

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```

    permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
    DC-POS-Oracle
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
    DC-POS-SAP
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
    DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381023 object-group
    CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_81604381041 object-group
    CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
    remark Permit POS clients to talk to store POS server
    permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
    STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
    remark Store DATA (wired and Wireless - Access to DC Other applications)
    permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
    DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
    remark Store GUEST - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
    remark Store GUEST (access to internet/DMZ web servers)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
    remark Store PARTNERS - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
ip access-list extended CSM_ZBF_CMAP_ACL_37
    remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
    remark Store VOICE (wired and Wireless - Access to corporate wide voice)
    permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
    remark Data Center vSphere to UCS E-series server
    permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
    Stores-ALL

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_5
remark Data Center to Store Physical Security
permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
remark Data Center WAAS to Store
permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
remark Data Center Wireless Control to AP's and Controllers in stores
permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
remark ---POS Applications---
permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
remark - Router user Authentication - Identifies TACACS Control traffic
permit tcp any any eq tacacs
permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
remark ---Workbrain Application---
remark --Large Store Clock Server to Central Clock Application
permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
remark --Large store Clock Server to CUAЕ
permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
remark ---LiteScape Application---
permit ip any host 192.168.46.82
permit ip any 239.192.0.0 0.0.0.255
permit ip any host 239.255.255.250
remark ---Remote Desktop---
permit tcp any any eq 3389
permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp any 192.168.46.0 0.0.0.255 eq 7777
permit tcp any 192.168.46.0 0.0.0.255 eq 6003
permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!

```



```

!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

```

```

banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1 output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

S-A2-LRG-1

```
S-A2-LRG-1#sh run
Building configuration...

Current configuration : 21232 bytes
!
! Last configuration change at 02:39:20 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:39:22 PST DST Sat Apr 30 2011 by retail
!
version 15.0
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service compress-config
service sequence-numbers
!
hostname S-A2-LRG-1
!
boot-start-marker
boot system flash bootflash:cat4500e-universalk9.SPA.03.01.00.SG.150-1.XO.bin
boot-end-marker
!
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST DST recurring
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
!
no ip bootp server
ip vrf Mgmt-vrf
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
```

```

login on-failure log
login on-success log
vtp mode transparent
!
password encryption aes
!
crypto pki trustpoint CISCO_IDEVID_SUDI
  revocation-check none
  rsakeypair CISCO_IDEVID_SUDI
!
crypto pki trustpoint CISCO_IDEVID_SUDIO
  revocation-check none
!
crypto pki trustpoint TP-self-signed-145264
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-145264
  revocation-check none
  rsakeypair TP-self-signed-145264
!
!
crypto pki certificate chain CISCO_IDEVID_SUDI
  certificate 686CBFDE00000015EFB1
    <removed>
  quit
  certificate ca 6A6967B30000000000003
    <removed>
  quit
crypto pki certificate chain CISCO_IDEVID_SUDIO
  certificate ca 5FF87B282B54DC8D42A315B568C9ADFF
    <removed>
  quit
crypto pki certificate chain TP-self-signed-145264
  certificate self-signed 01
    <removed>
  quit
power redundancy-mode redundant
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
redundancy
  mode rpr
!
vlan internal allocation policy ascending
!
vlan 11
  name POS
!
vlan 12
  name DATA
!
vlan 13
  name VOICE
!
vlan 14
  name WIRELESS
!

```

```
vlan 15
  name WIRELESS-POS
!
vlan 16
  name PARTNER
!
vlan 17
  name WIRELESS-GUEST
!
vlan 18
  name WIRELESS-CONTROL
!
vlan 19
  name WAAS
!
vlan 20
  name SECURITY-SYSTEMS
!
vlan 101
  name RouterLink101
!
vlan 102
  name RouterLink102
!
vlan 1000
  name MANAGEMENT
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet1
  ip vrf forwarding Mgmt-vrf
  no ip address
  shutdown
  speed auto
  duplex auto
!
interface TenGigabitEthernet3/1
  shutdown
!
interface TenGigabitEthernet3/2
  shutdown
!
interface TenGigabitEthernet3/3
  shutdown
!
interface TenGigabitEthernet3/4
  shutdown
!
interface GigabitEthernet5/1
  shutdown
!
interface GigabitEthernet5/2
  shutdown
!
interface GigabitEthernet5/3
  shutdown
!
interface GigabitEthernet5/4
  shutdown
!
interface GigabitEthernet5/5
  shutdown
```

```
!  
interface GigabitEthernet5/6  
shutdown  
!  
interface GigabitEthernet5/7  
shutdown  
!  
interface GigabitEthernet5/8  
shutdown  
!  
interface GigabitEthernet5/9  
shutdown  
!  
interface GigabitEthernet5/10  
shutdown  
!  
interface GigabitEthernet5/11  
shutdown  
!  
interface GigabitEthernet5/12  
shutdown  
!  
interface GigabitEthernet5/13  
shutdown  
!  
interface GigabitEthernet5/14  
shutdown  
!  
interface GigabitEthernet5/15  
shutdown  
!  
interface GigabitEthernet5/16  
shutdown  
!  
interface GigabitEthernet5/17  
shutdown  
!  
interface GigabitEthernet5/18  
shutdown  
!  
interface GigabitEthernet5/19  
shutdown  
!  
interface GigabitEthernet5/20  
shutdown  
!  
interface GigabitEthernet5/21  
shutdown  
!  
interface GigabitEthernet5/22  
shutdown  
!  
interface GigabitEthernet5/23  
shutdown  
!  
interface GigabitEthernet5/24  
shutdown  
!  
interface GigabitEthernet5/25  
shutdown  
!  
interface GigabitEthernet5/26  
shutdown  
!
```

```
interface GigabitEthernet5/27
 shutdown
!
interface GigabitEthernet5/28
 shutdown
!
interface GigabitEthernet5/29
 shutdown
!
interface GigabitEthernet5/30
 shutdown
!
interface GigabitEthernet5/31
 shutdown
!
interface GigabitEthernet5/32
 shutdown
!
interface GigabitEthernet5/33
 shutdown
!
interface GigabitEthernet5/34
 shutdown
!
interface GigabitEthernet5/35
 shutdown
!
interface GigabitEthernet5/36
 shutdown
!
interface GigabitEthernet5/37
 shutdown
!
interface GigabitEthernet5/38
 shutdown
!
interface GigabitEthernet5/39
 shutdown
!
interface GigabitEthernet5/40
 shutdown
!
interface GigabitEthernet5/41
 shutdown
!
interface GigabitEthernet5/42
 shutdown
!
interface GigabitEthernet5/43
 shutdown
!
interface GigabitEthernet5/44
 shutdown
!
interface GigabitEthernet5/45
 shutdown
!
interface GigabitEthernet5/46
 shutdown
!
interface GigabitEthernet5/47
 shutdown
!
interface GigabitEthernet5/48
```

```
shutdown
!
interface GigabitEthernet6/1
!
interface GigabitEthernet6/2
shutdown
!
interface GigabitEthernet6/3
shutdown
!
interface GigabitEthernet6/4
shutdown
!
interface GigabitEthernet6/5
shutdown
!
interface GigabitEthernet6/6
shutdown
!
interface GigabitEthernet6/7
shutdown
!
interface GigabitEthernet6/8
shutdown
!
interface GigabitEthernet6/9
shutdown
!
interface GigabitEthernet6/10
description MSP-A2-LRG-1
switchport access vlan 20
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet6/11
shutdown
!
interface GigabitEthernet6/12
shutdown
!
interface GigabitEthernet6/13
shutdown
!
interface GigabitEthernet6/14
shutdown
!
interface GigabitEthernet6/15
shutdown
!
interface GigabitEthernet6/16
shutdown
!
interface GigabitEthernet6/17
description WLC-A2-LRG-1_G1
switchport access vlan 18
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet6/18
description WLC-A2-LRG-1_G2
switchport trunk allowed vlan 14-17
switchport mode trunk
!
interface GigabitEthernet6/19
```



```
shutdown
!
interface GigabitEthernet6/20
shutdown
!
interface GigabitEthernet6/21
shutdown
!
interface GigabitEthernet6/22
shutdown
!
interface GigabitEthernet6/23
shutdown
!
interface GigabitEthernet6/24
shutdown
!
interface GigabitEthernet6/25
shutdown
!
interface GigabitEthernet6/26
shutdown
!
interface GigabitEthernet6/27
shutdown
!
interface GigabitEthernet6/28
shutdown
!
interface GigabitEthernet6/29
shutdown
!
interface GigabitEthernet6/30
shutdown
!
interface GigabitEthernet6/31
shutdown
!
interface GigabitEthernet6/32
shutdown
!
interface GigabitEthernet6/33
shutdown
!
interface GigabitEthernet6/34
shutdown
!
interface GigabitEthernet6/35
shutdown
!
interface GigabitEthernet6/36
shutdown
!
interface GigabitEthernet6/37
shutdown
!
interface GigabitEthernet6/38
shutdown
!
interface GigabitEthernet6/39
shutdown
!
interface GigabitEthernet6/40
shutdown
```

```

!
interface GigabitEthernet6/41
  switchport mode trunk
!
interface GigabitEthernet6/42
  shutdown
!
interface GigabitEthernet6/43
  switchport mode trunk
!
interface GigabitEthernet6/44
  shutdown
!
interface GigabitEthernet6/45
  switchport mode trunk
!
interface GigabitEthernet6/46
!
interface GigabitEthernet6/47
  switchport mode trunk
!
interface GigabitEthernet6/48
  shutdown
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.111.11 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 10.10.111.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F

```

```

snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
no snmp-server enable traps license
snmp-server enable traps entity
snmp-server enable traps flash insertion removal
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps errdisable
snmp-server enable traps vlan-membership
snmp-server enable traps mac-notification change move threshold
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
 stopbits 1

```

```

line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 17202862
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

S-A2-LRG-1#

S-A2-LRG-2

```

S-A2-LRG-2#sh run
Building configuration...

Current configuration : 20118 bytes
!
! Last configuration change at 02:45:12 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:45:13 PST DST Sat Apr 30 2011 by retail
!
version 15.0
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service compress-config
service sequence-numbers
!
hostname S-A2-LRG-2
!
boot-start-marker
boot system flash bootflash:cat4500e-universalk9.SPA.03.01.00.SG.150-1.XO.bin
boot-end-marker
!
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>

```

```
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST DST recurring
ip subnet-zero
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
!
no ip bootp server
ip vrf Mgmt-vrf
!
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
password encryption aes
!
crypto pki trustpoint CISCO_IDEVID_SUDI
  revocation-check none
  rsakeypair CISCO_IDEVID_SUDI
!
crypto pki trustpoint CISCO_IDEVID_SUDI0
  revocation-check none
!
crypto pki trustpoint TP-self-signed-145261
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-145261
  revocation-check none
  rsakeypair TP-self-signed-145261
!
!
crypto pki certificate chain CISCO_IDEVID_SUDI
  certificate 6B46CD9B00000015F50E
  <removed>
  quit
  certificate ca 6A6967B3000000000003
  <removed>
  quit
crypto pki certificate chain CISCO_IDEVID_SUDI0
  certificate ca 5FF87B282B54DC8D42A315B568C9ADFF
  <removed>
  quit
crypto pki certificate chain TP-self-signed-145261
  certificate self-signed 01
  <removed>
  quit
```

```

power redundancy-mode redundant
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
redundancy
  mode rpr
!
vlan internal allocation policy ascending
!
vlan 11
  name POS
!
vlan 12
  name DATA
!
vlan 13
  name VOICE
!
vlan 14
  name WIRELESS
!
vlan 15
  name WIRELESS-POS
!
vlan 16
  name PARTNER
!
vlan 17
  name WIRELESS-GUEST
!
vlan 18
  name WIRELESS-CONTROL
!
vlan 19
  name WAAS
!
vlan 20
  name SECURITY-SYSTEMS
!
vlan 101
  name RouterLink101
!
vlan 102
  name RouterLink102
!
vlan 1000
  name MANAGEMENT
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet1
  ip vrf forwarding Mgmt-vrf
  no ip address
  shutdown

```

```
speed auto
duplex auto
!
interface TenGigabitEthernet3/1
shutdown
!
interface TenGigabitEthernet3/2
shutdown
!
interface TenGigabitEthernet3/3
shutdown
!
interface TenGigabitEthernet3/4
shutdown
!
interface GigabitEthernet6/1
!
interface GigabitEthernet6/2
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/3
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/4
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/5
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/6
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/7
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/8
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/9
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/10
description MSP-A2-LRG-1
switchport access vlan 20
switchport mode access
spanning-tree portfast
!
interface GigabitEthernet6/11
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/12
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/13
```

```
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/14
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/15
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/16
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/17
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/18
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/19
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/20
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/21
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/22
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/23
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/24
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/25
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/26
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/27
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/28
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/29
```



```
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/30
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/31
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/32
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/33
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/34
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/35
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/36
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/37
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/38
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/39
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/40
switchport access vlan 17
shutdown
!
interface GigabitEthernet6/41
switchport mode trunk
!
interface GigabitEthernet6/42
!
interface GigabitEthernet6/43
switchport mode trunk
!
interface GigabitEthernet6/44
!
interface GigabitEthernet6/45
switchport mode trunk
!
interface GigabitEthernet6/46
!
interface GigabitEthernet6/47
switchport mode trunk
```

```

!
interface GigabitEthernet6/48
!
interface Vlan1
  no ip address
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.111.12 255.255.255.0
!
no ip forward-protocol nd
ip route 0.0.0.0 0.0.0.0 10.10.111.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
snmp-server engineID remote 192.168.42.124 000000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFFF.FFFFFFFFF.FFFFFFFFF.FFFFFFFFFOF
snmp-server trap-source Vlan1000
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
no snmp-server enable traps license
snmp-server enable traps entity
snmp-server enable traps flash insertion removal
snmp-server enable traps power-ethernet police
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps port-security
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps errdisable

```

```

snmp-server enable traps vlan-membership
snmp-server enable traps mac-notification change move threshold
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
    session-timeout 15 output
    exec-timeout 15 0
    login authentication RETAIL
    stopbits 1
line vty 0 4
    session-timeout 15 output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
line vty 5 15
    session-timeout 15 output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
!
ntp clock-period 17211501
ntp source Vlan1000
ntp server 192.168.62.162

```

```
ntp server 192.168.62.161 prefer
end
```

S-A2-LRG-3

```
S-A2-LRG-3#sh run
Building configuration...

Current configuration : 20730 bytes
!
! Last configuration change at 02:52:21 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:52:23 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname S-A2-LRG-3
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
logging monitor informational
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
macro name dot1x
switchport access vlan 11
  switchport mode access
  switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
@
!
```

```
macro global description dot1x
macro auto sticky
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authentication dot1x default group radius local
aaa authorization exec default group tacacs+ if-authenticated
aaa authorization network default group radius
aaa authorization auth-proxy default group radius
aaa authorization configuration default group radius
aaa accounting update newinfo
aaa accounting auth-proxy default start-stop group radius
aaa accounting dot1x default start-stop group radius
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
aaa server radius dynamic-author
  client 192.168.42.111
  server-key 7 <removed>
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
authentication mac-move permit
!
!
ip dhcp snooping vlan 1,11
no ip dhcp snooping information option
ip dhcp snooping
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
ip device tracking
ip admission name ise proxy http inactivity-time 60
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
vtp mode transparent
!
cts sxp enable
cts sxp default source-ip 10.10.111.13
password encryption aes
!
crypto pki trustpoint TP-self-signed-4268543232
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-4268543232
  revocation-check none
  rsakeypair TP-self-signed-4268543232
!
!
crypto pki certificate chain TP-self-signed-4268543232
  certificate self-signed 01
    <removed>
  quit
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
```

```

dot1x system-auth-control
!
fallback profile ise
 ip access-group ACL-DEFAULT in
 ip admission ise
!
spanning-tree mode pvst
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
vlan 11
 name POS
!
vlan 12
 name DATA
!
vlan 13
 name VOICE
!
vlan 14
 name WIRELESS
!
vlan 15
 name WIRELESS-POS
!
vlan 16
 name PARTNER
!
vlan 17
 name WIRELESS-GUEST
!
vlan 18
 name WIRELESS-CONTROL
!
vlan 19
 name WAAS
!
vlan 20
 name SECURITY-SYSTEMS
!
vlan 101
 name RouterLink101
!
vlan 102
 name RouterLink102
!
vlan 1000
 name MANAGEMENT
!
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0
 no ip address
 shutdown
!
interface GigabitEthernet0/1
 description uplink
!

```

```
interface GigabitEthernet0/2
  description uplink
!
interface GigabitEthernet0/3
  shutdown
!
interface GigabitEthernet0/4
  description Cisco9971 IP phone
  switchport access vlan 11
  switchport voice vlan 13
  spanning-tree portfast
!
interface GigabitEthernet0/5
  description IP Camera - 4300
  switchport access vlan 20
  switchport mode access
!
interface GigabitEthernet0/6
  description CIAC-GW
  switchport access vlan 20
  switchport mode access
!
interface GigabitEthernet0/7
  shutdown
!
interface GigabitEthernet0/8
  shutdown
!
interface GigabitEthernet0/9
  shutdown
!
interface GigabitEthernet0/10
  shutdown
!
interface GigabitEthernet0/11
  shutdown
!
interface GigabitEthernet0/12
  shutdown
!
interface GigabitEthernet0/13
  shutdown
!
interface GigabitEthernet0/14
  shutdown
!
interface GigabitEthernet0/15
  shutdown
!
interface GigabitEthernet0/16
  shutdown
!
interface GigabitEthernet0/17
  shutdown
!
interface GigabitEthernet0/18
  shutdown
!
interface GigabitEthernet0/19
  shutdown
!
interface GigabitEthernet0/20
  shutdown
!
```

```

interface GigabitEthernet0/21
 shutdown
!
interface GigabitEthernet0/22
 shutdown
!
interface GigabitEthernet0/23
 shutdown
!
interface GigabitEthernet0/24
 shutdown
!
interface GigabitEthernet0/25
 description open-mode 802.1x+mab+mda+acl
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/26
 description mobile worker
 switchport access vlan 11
 switchport mode access
 switchport voice vlan 13
 ip arp inspection limit rate 1000
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-auth
 authentication open
 authentication order dot1x mab webauth
 authentication priority dot1x mab
 authentication port-control auto
 authentication timer reauthenticate server
 authentication timer inactivity server
 authentication violation restrict
 authentication fallback ise
 mab
 snmp trap mac-notification change added
 macro description dot1x
 dot1x pae authenticator
 dot1x timeout tx-period 5
 spanning-tree portfast
 spanning-tree bpduguard enable
 ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/27

```



```
shutdown
!
interface GigabitEthernet0/28
shutdown
!
interface GigabitEthernet0/29
shutdown
!
interface GigabitEthernet0/30
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/31
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/32
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
```

```

authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/33
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/34
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator

```

```
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/35
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/36
switchport access vlan 11
switchport mode access
switchport voice vlan 13
ip arp inspection limit rate 1000
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-auth
authentication open
authentication order dot1x mab webauth
authentication priority dot1x mab
authentication port-control auto
authentication timer reauthenticate server
authentication timer inactivity server
authentication violation restrict
authentication fallback ise
mab
snmp trap mac-notification change added
macro description dot1x
dot1x pae authenticator
dot1x timeout tx-period 5
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 200
!
interface GigabitEthernet0/37
shutdown
!
interface GigabitEthernet0/38
shutdown
!
interface GigabitEthernet0/39
shutdown
!
```

```

interface GigabitEthernet0/40
 shutdown
!
interface GigabitEthernet0/41
 shutdown
!
interface GigabitEthernet0/42
 shutdown
!
interface GigabitEthernet0/43
 shutdown
!
interface GigabitEthernet0/44
 shutdown
!
interface GigabitEthernet0/45
 shutdown
!
interface GigabitEthernet0/46
 shutdown
!
interface GigabitEthernet0/47
 shutdown
!
interface GigabitEthernet0/48
 shutdown
!
interface GigabitEthernet1/1
 shutdown
!
interface GigabitEthernet1/2
 shutdown
!
interface GigabitEthernet1/3
 shutdown
!
interface GigabitEthernet1/4
 shutdown
!
interface TenGigabitEthernet1/1
 shutdown
!
interface TenGigabitEthernet1/2
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.13 255.255.255.0
!
ip default-gateway 10.10.111.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!

```

```

ip access-list extended ACL-ALLOW
 permit ip any any
ip access-list extended ACL-DEFAULT
 remark DHCP
 permit udp any eq bootpc any eq bootps
 remark DNS
 permit udp any any eq domain
 remark ICMP Ping
 permit icmp any any
 remark PXE Boot
 permit udp any any eq tftp
 remark URL Redirect
 permit tcp any host 192.168.42.111 eq www
 permit tcp any host 192.168.42.111 eq 443
 permit tcp any host 192.168.42.112 eq www
 permit tcp any host 192.168.42.112 eq 443
 remark Guest Portal
 permit tcp any host 192.168.42.111 eq 8443
 permit tcp any host 192.168.42.112 eq 8443
 deny ip any any
ip access-list extended ACL-POSTURE-REDIRECT
 deny ip any host 192.168.42.111
 deny ip any host 192.168.42.130
 permit ip any any
ip access-list extended ACL-WEBAUTH-REDIRECT
 remark Don't match traffic sent to ISE PDP Nodes
 deny ip any host 192.168.42.111
 deny ip any host 192.168.42.112
 deny ip any host 10.35.48.242
 deny ip any host 171.71.169.207
 permit ip any any
!
ip sla enable reaction-alerts
logging trap debugging
logging origin-id ip
logging source-interface Vlan1000
logging 192.168.42.124
logging host 192.168.42.111 transport udp port 20514
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan

```

```

snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
snmp-server host 192.168.42.111 version 2c retaillabISE dot1x mac-notification snmp
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server attribute 6 on-for-login-auth
radius-server attribute 6 support-multiple
radius-server attribute 8 include-in-access-req
radius-server dead-criteria time 5 tries 3
radius-server host 192.168.42.111 auth-port 1812 acct-port 1813 key 7 <removed>
radius-server vsa send accounting
radius-server vsa send authentication
!
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
           **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
           **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
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FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
    session-timeout 15 output

```

```

exec-timeout 15 0
login authentication RETAIL
stopbits 1
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36027134
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
mac address-table notification change interval 0
mac address-table notification change
end

```

S-A2-LRG-4

```

S-A2-LRG-4#sh run
Building configuration...

```

```

Current configuration : 26605 bytes
!
! Last configuration change at 02:56:42 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:56:45 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname S-A2-LRG-4
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed> username emc-ncm privilege 15 secret 5
<removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>

```

```

!
!
macro auto device media-player ACCESS_VLAN=12
macro auto device ip-camera ACCESS_VLAN=20
macro auto device phone ACCESS_VLAN=17 VOICE_VLAN=13
macro auto device access-point ACCESS_VLAN=18
macro auto device lightweight-ap ACCESS_VLAN=18
!
macro auto global processing fallback cdp
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authentication dot1x default group radius local
aaa authorization exec default group tacacs+ if-authenticated
aaa authorization network default group radius
aaa authorization auth-proxy default group radius
aaa accounting update newinfo
aaa accounting dot1x default start-stop group radius
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
authentication mac-move permit
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip host nac-2 192.168.42.112
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
mls qos map policed-dscp 24 26 46 to 0
mls qos map cos-dscp 0 8 16 24 32 46 48 56
mls qos srr-queue input bandwidth 90 10
mls qos srr-queue input threshold 1 8 16
mls qos srr-queue input threshold 2 34 66
mls qos srr-queue input buffers 67 33
mls qos srr-queue input cos-map queue 1 threshold 2 1
mls qos srr-queue input cos-map queue 1 threshold 3 0
mls qos srr-queue input cos-map queue 2 threshold 1 2
mls qos srr-queue input cos-map queue 2 threshold 2 4 6 7
mls qos srr-queue input cos-map queue 2 threshold 3 3 5
mls qos srr-queue input dscp-map queue 1 threshold 2 9 10 11 12 13 14 15
mls qos srr-queue input dscp-map queue 1 threshold 3 0 1 2 3 4 5 6 7
mls qos srr-queue input dscp-map queue 1 threshold 3 32
mls qos srr-queue input dscp-map queue 2 threshold 1 16 17 18 19 20 21 22 23
mls qos srr-queue input dscp-map queue 2 threshold 2 33 34 35 36 37 38 39 48
mls qos srr-queue input dscp-map queue 2 threshold 2 49 50 51 52 53 54 55 56
mls qos srr-queue input dscp-map queue 2 threshold 2 57 58 59 60 61 62 63
mls qos srr-queue input dscp-map queue 2 threshold 3 24 25 26 27 28 29 30 31
mls qos srr-queue input dscp-map queue 2 threshold 3 40 41 42 43 44 45 46 47
mls qos srr-queue output cos-map queue 1 threshold 3 5

```



```

mls qos srr-queue output cos-map queue 2 threshold 3 3 6 7
mls qos srr-queue output cos-map queue 3 threshold 3 2 4
mls qos srr-queue output cos-map queue 4 threshold 2 1
mls qos srr-queue output cos-map queue 4 threshold 3 0
mls qos srr-queue output dscp-map queue 1 threshold 3 40 41 42 43 44 45 46 47
mls qos srr-queue output dscp-map queue 2 threshold 3 24 25 26 27 28 29 30 31
mls qos srr-queue output dscp-map queue 2 threshold 3 48 49 50 51 52 53 54 55
mls qos srr-queue output dscp-map queue 2 threshold 3 56 57 58 59 60 61 62 63
mls qos srr-queue output dscp-map queue 3 threshold 3 16 17 18 19 20 21 22 23
mls qos srr-queue output dscp-map queue 3 threshold 3 32 33 34 35 36 37 38 39
mls qos srr-queue output dscp-map queue 4 threshold 1 8
mls qos srr-queue output dscp-map queue 4 threshold 2 9 10 11 12 13 14 15
mls qos srr-queue output dscp-map queue 4 threshold 3 0 1 2 3 4 5 6 7
mls qos queue-set output 1 threshold 1 138 138 92 138
mls qos queue-set output 1 threshold 2 138 138 92 400
mls qos queue-set output 1 threshold 3 36 77 100 318
mls qos queue-set output 1 threshold 4 20 50 67 400
mls qos queue-set output 2 threshold 1 149 149 100 149
mls qos queue-set output 2 threshold 2 118 118 100 235
mls qos queue-set output 2 threshold 3 41 68 100 272
mls qos queue-set output 2 threshold 4 42 72 100 242
mls qos queue-set output 1 buffers 10 10 26 54
mls qos queue-set output 2 buffers 16 6 17 61
mls qos
password encryption aes
!
crypto pki trustpoint TP-self-signed-4268542976
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-4268542976
  revocation-check none
  rsakeypair TP-self-signed-4268542976
!
!
crypto pki certificate chain TP-self-signed-4268542976
  certificate self-signed 01
    <removed> 1
  quit
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
dot1x system-auth-control
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map match-all AutoQoS-VoIP-RTP-Trust
  match ip dscp ef
class-map match-all AutoQoS-VoIP-Control-Trust
  match ip dscp cs3 af31
!
!
policy-map AutoQoS-Police-CiscoPhone

```

```

class AutoQoS-VoIP-RTP-Trust
  set dscp ef
  police 320000 8000 exceed-action policed-dscp-transmit
class AutoQoS-VoIP-Control-Trust
  set dscp cs3
  police 32000 8000 exceed-action policed-dscp-transmit
!
!
!
interface FastEthernet0
  no ip address
  shutdown
!
interface GigabitEthernet0/1
  switchport trunk encapsulation dot1q
  switchport mode trunk
  srr-queue bandwidth share 10 10 60 20
  queue-set 2
  priority-queue out
  mls qos trust cos
  macro description CISCO_SWITCH_EVENT
  auto qos voip trust
!
interface GigabitEthernet0/2
  switchport trunk encapsulation dot1q
  switchport mode trunk
  srr-queue bandwidth share 10 10 60 20
  queue-set 2
  priority-queue out
  mls qos trust cos
  macro description CISCO_SWITCH_EVENT
  auto qos voip trust
!
interface GigabitEthernet0/3
  description AIR-CAP3502E
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 18
  switchport trunk allowed vlan 14-18
  switchport mode access
  switchport block unicast
  switchport port-security aging time 1
  switchport port-security violation protect
  switchport port-security aging type inactivity
  load-interval 30
  srr-queue bandwidth share 10 10 60 20
  priority-queue out
  mls qos trust dscp
  macro description CISCO_WIRELESS_LIGHTWEIGHT_AP_EVENT
  storm-control broadcast level pps 1k
  storm-control multicast level pps 2k
  storm-control action trap
  spanning-tree portfast
  spanning-tree bpduguard enable
  ip dhcp snooping limit rate 15
!
interface GigabitEthernet0/4
  description AIR-CAP3502I
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 18
  switchport trunk allowed vlan 14-18
  switchport mode access
  switchport block unicast
  switchport port-security aging time 1
  switchport port-security violation protect

```

```
switchport port-security aging type inactivity
load-interval 30
srr-queue bandwidth share 10 10 60 20
priority-queue out
mls qos trust dscp
macro description CISCO_WIRELESS_LIGHTWEIGHT_AP_EVENT
storm-control broadcast level pps 1k
storm-control multicast level pps 2k
storm-control action trap
spanning-tree portfast
spanning-tree bpduguard enable
ip dhcp snooping limit rate 15
!
interface GigabitEthernet0/5
shutdown
!
interface GigabitEthernet0/6
shutdown
!
interface GigabitEthernet0/7
switchport trunk encapsulation dot1q
switchport mode trunk
srr-queue bandwidth share 10 10 60 20
queue-set 2
priority-queue out
mls qos trust cos
macro description CISCO_SWITCH_EVENT
auto qos voip trust
!
interface GigabitEthernet0/8
shutdown
!
interface GigabitEthernet0/9
shutdown
!
interface GigabitEthernet0/10
shutdown
!
interface GigabitEthernet0/11
description Cisco7975 IP phone
switchport mode access
switchport block unicast
switchport voice vlan 2
switchport port-security maximum 3
switchport port-security maximum 2 vlan access
switchport port-security
switchport port-security aging time 1
switchport port-security violation restrict
switchport port-security aging type inactivity
load-interval 30
srr-queue bandwidth share 10 10 60 20
queue-set 2
priority-queue out
mls qos trust device cisco-phone
mls qos trust cos
macro description CISCO_PHONE_EVENT
auto qos voip cisco-phone
storm-control broadcast level pps 1k
storm-control multicast level pps 2k
storm-control action trap
spanning-tree portfast
spanning-tree bpduguard enable
service-policy input AutoQoS-Police-CiscoPhone
ip dhcp snooping limit rate 15
```

```

!
interface GigabitEthernet0/12
 shutdown
!
interface GigabitEthernet0/13
 shutdown
!
interface GigabitEthernet0/14
 shutdown
!
interface GigabitEthernet0/15
 shutdown
!
interface GigabitEthernet0/16
 shutdown
!
interface GigabitEthernet0/17
 shutdown
!
interface GigabitEthernet0/18
 shutdown
!
interface GigabitEthernet0/19
 shutdown
!
interface GigabitEthernet0/20
 shutdown
!
interface GigabitEthernet0/21
 shutdown
!
interface GigabitEthernet0/22
 shutdown
!
interface GigabitEthernet0/23
 shutdown
!
interface GigabitEthernet0/24
 shutdown
!
interface GigabitEthernet0/25
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab
 authentication port-control auto
 mab
 spanning-tree portfast
!
interface GigabitEthernet0/26
 description open-mode 802.1x+mab+mda+acl
 switchport mode access
 switchport voice vlan 13
 ip access-group ACL-DEFAULT in
 authentication event fail action next-method
 authentication host-mode multi-domain
 authentication open
 authentication order dot1x mab
 authentication priority dot1x mab

```

```
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/27
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/28
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/29
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/30
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/31
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
```

```

ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/32
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/33
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/34
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/35
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab

```

```
spanning-tree portfast
!
interface GigabitEthernet0/36
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/37
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/38
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/39
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/40
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
```

```

authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/41
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/42
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/43
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/44
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!

```



```
interface GigabitEthernet0/45
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/46
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/47
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet0/48
description open-mode 802.1x+mab+mda+acl
switchport mode access
switchport voice vlan 13
ip access-group ACL-DEFAULT in
authentication event fail action next-method
authentication host-mode multi-domain
authentication open
authentication order dot1x mab
authentication priority dot1x mab
authentication port-control auto
mab
spanning-tree portfast
!
interface GigabitEthernet1/1
shutdown
!
interface GigabitEthernet1/2
shutdown
!
interface GigabitEthernet1/3
shutdown
```

```

!
interface GigabitEthernet1/4
 shutdown
!
interface TenGigabitEthernet1/1
 shutdown
!
interface TenGigabitEthernet1/2
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
interface Vlan1000
 description Management VLAN for Switch
 ip address 10.10.111.14 255.255.255.0
!
ip default-gateway 10.10.111.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip access-list extended ACL-DEFAULT
 remark DHCP
 permit udp any eq bootpc any eq bootps
 remark DNS
 permit udp any any eq domain
 remark ICMP Ping
 permit icmp any any
 remark PXE Boot
 permit udp any any eq tftp
 remark URL Redirect
 permit tcp any host 192.168.42.111 eq www
 permit tcp any host 192.168.42.111 eq 443
 permit tcp any host 192.168.42.112 eq www
 permit tcp any host 192.168.42.112 eq 443
 remark Guest Portal
 permit tcp any host 192.168.42.111 eq 8443
 permit tcp any host 192.168.42.112 eq 8443
 deny ip any any
ip access-list extended ACL-WEBAUTH-REDIRECT
 remark Don't match traffic sent to ISE PDP Nodes
 deny ip any host 192.168.42.111
 deny ip any host 192.168.42.112
 deny ip any host 10.35.48.242
 remark Don't match traffic sent to remediation services (www.in-download.cisco.com)
 deny ip any host 171.71.169.207
 remark Match all other traffic for redirection
 permit ip any any
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log

```

```

access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
snmp-server host 192.168.42.111 version 2c retaillabISE dot1x mac-notification snmp
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server dead-criteria time 5 tries 3
radius-server host 192.168.42.111 auth-port 1812 acct-port 1813 key 7 <removed>
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:

```

```

**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
ntp clock-period 36027569
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

S-A2-LRG-5

```

S-A2-LRG-5#sh run
Building configuration...

Current configuration : 10739 bytes
!
! Last configuration change at 03:00:15 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 03:00:17 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year

```

```
service password-encryption
service sequence-numbers
!
hostname S-A2-LRG-5
!
boot-start-marker
boot-end-marker
!
shell trigger POS-Systems POS-Systems
logging buffered 51200
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
macro global description cisco-desktop
macro auto execute CISCO_LAST_RESORT_EVENT builtin CISCO_AP_AUTO_SMARTPORT ACCESS_VLAN=17
macro auto execute Retail-POS builtin CISCO_PHONE_AUTO_SMARTPORT ACCESS_VLAN=11
VOICE_VLAN=13
macro auto execute POS-Systems remote scp://SMARTPORT@192.168.42.122/POS-Systems.txt
ACCESS_VLAN=11 VOICE_VLAN=13
!
macro auto mac-address-group Retail-POS
  oui list 001C26
  oui list 001C25
  mac-address list 0021.5C02.1DEF
  mac-address list 001C.25BE.99C2
macro auto device media-player ACCESS_VLAN=12
macro auto device ip-camera ACCESS_VLAN=20
macro auto device phone ACCESS_VLAN=17 VOICE_VLAN=13
macro auto device access-point ACCESS_VLAN=18
macro auto device lightweight-ap ACCESS_VLAN=18
!
macro auto global processing fallback cdp
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
```

```

mls qos map cos-dscp 0 8 16 24 32 46 48 56
mls qos srr-queue output cos-map queue 1 threshold 3 4 5
mls qos srr-queue output cos-map queue 2 threshold 1 2
mls qos srr-queue output cos-map queue 2 threshold 2 3
mls qos srr-queue output cos-map queue 2 threshold 3 6 7
mls qos srr-queue output cos-map queue 3 threshold 3 0
mls qos srr-queue output cos-map queue 4 threshold 3 1
mls qos srr-queue output dscp-map queue 1 threshold 3 32 33 40 41 42 43 44 45
mls qos srr-queue output dscp-map queue 1 threshold 3 46 47
mls qos srr-queue output dscp-map queue 2 threshold 1 16 17 18 19 20 21 22 23
mls qos srr-queue output dscp-map queue 2 threshold 1 26 27 28 29 30 31 34 35
mls qos srr-queue output dscp-map queue 2 threshold 1 36 37 38 39
mls qos srr-queue output dscp-map queue 2 threshold 2 24
mls qos srr-queue output dscp-map queue 2 threshold 3 48 49 50 51 52 53 54 55
mls qos srr-queue output dscp-map queue 2 threshold 3 56 57 58 59 60 61 62 63
mls qos srr-queue output dscp-map queue 3 threshold 3 0 1 2 3 4 5 6 7
mls qos srr-queue output dscp-map queue 4 threshold 1 8 9 11 13 15
mls qos srr-queue output dscp-map queue 4 threshold 2 10 12 14
mls qos queue-set output 1 threshold 1 100 100 50 200
mls qos queue-set output 1 threshold 2 125 125 100 400
mls qos queue-set output 1 threshold 3 100 100 100 400
mls qos queue-set output 1 threshold 4 60 150 50 200
mls qos queue-set output 1 buffers 15 25 40 20
mls qos
password encryption aes
!
crypto pki trustpoint TP-self-signed-3964801920
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-3964801920
  revocation-check none
  rsakeypair TP-self-signed-3964801920
!
!
crypto pki certificate chain TP-self-signed-3964801920
  certificate self-signed 01
    <removed>
  quit
spanning-tree mode pvst
spanning-tree extend system-id
auto qos srnd4
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh version 2
ip scp server enable
!
!
interface GigabitEthernet0/1
  switchport access vlan 17
!
interface GigabitEthernet0/2
  switchport access vlan 17
!
interface GigabitEthernet0/3
  switchport access vlan 17
!
interface GigabitEthernet0/4
  switchport access vlan 17
!
interface GigabitEthernet0/5
  switchport access vlan 17

```

```

!
interface GigabitEthernet0/6
  switchport access vlan 17
!
interface GigabitEthernet0/7
  switchport access vlan 17
!
interface GigabitEthernet0/8
  switchport access vlan 17
!
interface GigabitEthernet0/9
  description Uplink to S-A2-LRG-4 G0/7
  switchport trunk encapsulation dot1q
  switchport mode trunk
  srr-queue bandwidth share 1 30 35 5
  queue-set 2
  priority-queue out
  mls qos trust cos
  macro description CISCO_SWITCH_EVENT
  auto qos trust
!
interface GigabitEthernet0/10
!
interface Vlan1
  no ip address
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.111.15 255.255.255.0
!
ip default-gateway 10.10.111.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F

```

```

snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
           **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
           **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
 speed 115200
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output

```



```

access-class 23 in
exec-timeout 15 0
logging synchronous
login authentication RETAIL
transport preferred none
transport input ssh
transport output none
!
ntp clock-period 22518292
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
!
end

```

Medium Branch

R-A2-MED-1

```

!
! Last configuration change at 00:29:32 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:29:32 PST DST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname R-A2-Med-1
!
boot-start-marker
boot system flash0 c2951-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
    action-type start-stop
    group tacacs+
!
aaa accounting commands 15 default
    action-type start-stop

```

```

group tacacs+
!
aaa accounting system default
  action-type start-stop
  group tacacs+
!
!
!
!
!
!
aaa session-id common
!
memory-size iomem 25
clock timezone PST -8 0
clock summer-time PSTDST recurring
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-1670063162
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1670063162
  revocation-check none
  rsakeypair TP-self-signed-1670063162
!
!
crypto pki certificate chain TP-self-signed-1670063162
  certificate self-signed 01
    <removed>
    quit
no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip inspect audit-trail
ip ips config location ipstest retries 1 timeout 1
ip ips notify SDEE
ip ips name Retail-PCI
!
ip ips signature-category
  category all
  retired true
  category ios_ips basic
  retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
  WAAS enable

```

```

parameter-map type inspect Inspect-1
  audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!
!
!
!
license udi pid STARSCREAM sn <removed>
hw-module pvdm 0/2
!
hw-module sm 1
!
hw-module sm 2
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
  host 192.168.42.130
!
object-group service CAPWAP
  description CAPWAP UDP ports 5246 and 5247
  udp eq 5246
  udp eq 5247
!
object-group service CISCO-WAAS
  description Ports for Cisco WAAS
  tcp eq 4050
!
object-group network EMC-NCM
  description EMC Network Configuration Manager
  host 192.168.42.122
!
object-group network RSA-enVision
  description RSA EnVision Syslog collector and SIM
  host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object EMC-NCM
  group-object RSA-enVision
!
object-group network TACACS
  description Csico Secure ACS server for TACACS and Radius
  host 192.168.42.131
!
object-group network RSA-AM
  description RSA Authentication Manager for SecureID
  host 192.168.42.137
!

```

```

object-group network NAC-1
  description ISE server for NAC
  host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object ActiveDirectory.cisco-irn.com
  group-object TACACS
  group-object RSA-AM
  group-object NAC-1
!
object-group network NAC-2
  host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object NAC-2
  group-object NAC-1
!
object-group network DC-ALL
  description All of the Data Center
  192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
  description all store networks
  10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network WCSManager
  description Wireless Manager
  host 192.168.43.135
!
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  host 192.168.43.21
  host 192.168.43.22
!
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  host 192.168.43.31
  host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
  host 192.168.44.111
!
object-group network MSP-DC-1
  description Data Center VSOM
  host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object PAME-DC-1
  group-object MSP-DC-1
!

```

```

object-group network CSM_INLINE_dst_rule_81604381059
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0
  10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  10.10.126.0 255.255.255.0
  10.10.110.0 255.255.255.0
!
object-group network DC-Admin
  description DC Admin Systems
  host 192.168.41.101
  host 192.168.41.102
!
object-group network CSManager
  description Cisco Security Manager
  host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-Admin
  group-object EMC-NCM
  group-object CSManager
!
object-group network DC-POS-Tomax
  description Tomax POS Communication from Store to Data Center
  192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
  description SAP POS Communication from Store to Data Center
  192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
  description Oracle POS Communication from Store to Data Center
  192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-Admin
  group-object DC-POS-Tomax
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
  group-object DC-Admin
  group-object DC-POS-Tomax
  group-object DC-POS-SAP

```

```

group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!
object-group network DC-WAAS
description WAE Appliances in Data Center
host 192.168.48.10
host 192.168.49.10
host 192.168.47.11
host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq syslog
udp eq snmp
udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq tacacs
udp eq 1812
udp eq 1813
tcp eq 389
tcp eq 636
!
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts

```

```

tcp eq 5989
tcp eq 8000
tcp eq 902
tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq 22
group-object vCenter-to-ESX4
!
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
udp eq 427
tcp eq 427
!
object-group service CSM_INLINE_svc_rule_81604381005
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
group-object vCenter-to-ESX4
group-object ESX-SLP
!
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
tcp range 1300 1319
!
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
tcp eq 7001
tcp eq 7002
tcp eq 1521
!
object-group service ORACLE-WAS
description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
tcp eq 2809
tcp eq 9443
tcp eq 1414
!
object-group service ORACLE-OAS
description OAS uses one port for HTTP and RMI - 12601.
tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_81604381009
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_81604381011
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS

```

```

!
object-group service HTTPS-8443
  tcp eq 8443
!
object-group service CSM_INLINE_svc_rule_81604381013
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381015
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service TOMAX-8990
  description Tomax Application Port
  tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service ICMP-Requests
  description ICMP requests
  icmp information-request
  icmp mask-request
  icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025

```



```
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq smtp
tcp eq pop3
tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp
udp
tcp eq 443
!
object-group service DNS-Resolving
description Domain Name Server
tcp eq domain
udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq bootps
group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
udp eq 12222
udp eq 12223
!
object-group service TFTP
description Trivial File Transfer
tcp eq 69
udp eq tftp
```

```

!
object-group service IP-Protocol-97
  description IP protocol 97
  97
!
object-group service CSM_INLINE_svc_rule_81604381043
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq 443
  tcp eq www
  tcp eq 22
  tcp eq telnet
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object TFTP
  group-object IP-Protocol-97
!
object-group service Cisco-Mobility
  description Mobility ports for Wireless
  udp eq 16666
  udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object Cisco-Mobility
  group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
  tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)

```

```

icmp
tcp-udp eq 5060
tcp eq 2000
tcp eq www
tcp eq 443
group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp-udp eq 5060
tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381063
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq smtp
tcp eq pop3
tcp eq 143
!
object-group service Netbios
description Netbios Servers
udp eq netbios-dgm
udp eq netbios-ns
tcp eq 139
!
object-group service ORACLE-SIM
description Oracle Store Inventory Management
tcp eq 7777
tcp eq 6003
tcp range 12401 12500
!
object-group service RDP
description Windows Remote Desktop
tcp eq 3389
!
object-group service Workbrain
tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_81604381065
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq ftp
tcp eq www
tcp eq 443
udp eq 88
tcp-udp eq 42
group-object Microsoft-DS-SMB
group-object Netbios
group-object ORACLE-SIM
group-object RDP
group-object Workbrain
!
object-group network DC-Applications
description Applications in the Data Center that are non-PCI related(Optimized by
CS-Manager)

```

```

192.168.180.0 255.255.254.0
!
object-group network DC-Voice
description Data Center Voice
192.168.45.0 255.255.255.0
!
object-group network MS-Update
description Windows Update Server
host 192.168.42.150
!
object-group network MExchange
description Mail Server
host 192.168.42.140
!
object-group service NTP
description NTP Protocols
tcp eq 123
udp eq ntp
!
object-group network NTP-Servers
description NTP Servers
host 192.168.62.161
host 162.168.62.162
!
object-group network STORE-POS
10.10.0.0 255.255.0.0
!
object-group network vSphere-1
description vSphere server for Lab
host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
match protocol http
match protocol https
match protocol microsoft-ds
match protocol ms-sql
match protocol ms-sql-m
match protocol netbios-dgm
match protocol netbios-ns
match protocol oracle
match protocol oracle-em-vp
match protocol oraclenames
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
match access-group name CSM_ZBF_CMAP_ACL_10
match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4

```

```
match protocol http
match protocol https
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
match access-group name CSM_ZBF_CMAP_ACL_23
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
match protocol http
match protocol https
match protocol imap3
match protocol pop3
match protocol pop3s
match protocol smtp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
match access-group name CSM_ZBF_CMAP_ACL_32
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
match access-group name CSM_ZBF_CMAP_ACL_11
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
match protocol http
match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
match access-group name CSM_ZBF_CMAP_ACL_22
match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol ftp
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
match access-group name CSM_ZBF_CMAP_ACL_33
match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tftp
match protocol http
match protocol https
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
match access-group name CSM_ZBF_CMAP_ACL_12
match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
match protocol https
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
match access-group name CSM_ZBF_CMAP_ACL_21
match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
match protocol http
match protocol https
match protocol icmp
match protocol tcp
match protocol udp
```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
  match access-group name CSM_ZBF_CMAP_ACL_30
  match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
  match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
  match access-group name CSM_ZBF_CMAP_ACL_20
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
  match protocol http
  match protocol https
  match protocol udp
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
  match access-group name CSM_ZBF_CMAP_ACL_31
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
  match protocol tftp
  match protocol nfs
  match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
  match protocol http
  match protocol https
  match protocol netbios-dgm
  match protocol netbios-ns
  match protocol netbios-ssn
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
  match access-group name CSM_ZBF_CMAP_ACL_14
  match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
  match access-group name CSM_ZBF_CMAP_ACL_27
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
  match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
  match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
  match access-group name CSM_ZBF_CMAP_ACL_26
  match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
  match protocol tcp
  match protocol udp
  match protocol http
  match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
  match access-group name CSM_ZBF_CMAP_ACL_37
  match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
  match protocol syslog
  match protocol syslog-conn
  match protocol snmp
  match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
  match access-group name CSM_ZBF_CMAP_ACL_16
  match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
  match protocol http
  match protocol https
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
```

```
match access-group name CSM_ZBF_CMAP_ACL_25
match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
match protocol ldaps
match protocol ldap
match protocol ldap-admin
match protocol radius
match protocol tacacs
match protocol tacacs-ds
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
match access-group name CSM_ZBF_CMAP_ACL_17
match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
match protocol http
match protocol https
match protocol netbios-ns
match protocol netbios-dgm
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
match access-group name CSM_ZBF_CMAP_ACL_24
match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
match access-group name CSM_ZBF_CMAP_ACL_35
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
match protocol ntp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
match access-group name CSM_ZBF_CMAP_ACL_18
match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
match protocol bootpc
match protocol bootps
match protocol udp
match protocol tcp
match protocol dns
match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
match access-group name CSM_ZBF_CMAP_ACL_19
match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
match access-group name CSM_ZBF_CMAP_ACL_29
match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
match access-group name CSM_ZBF_CMAP_ACL_38
match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
match access-group name CSM_ZBF_CMAP_ACL_28
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
match protocol https
match protocol ssh
```

```

class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
  match access-group name CSM_ZBF_CMAP_ACL_1
  match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
  match access-group name CSM_ZBF_CMAP_ACL_3
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
  match protocol https
  match protocol http
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
  match access-group name CSM_ZBF_CMAP_ACL_2
  match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
  match access-group name CSM_ZBF_CMAP_ACL_5
  match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
  match protocol http
  match protocol https
  match protocol ssh
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
  match access-group name CSM_ZBF_CMAP_ACL_4
  match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
  match access-group name CSM_ZBF_CMAP_ACL_7
  match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
  match access-group name CSM_ZBF_CMAP_ACL_6
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
  match access-group name CSM_ZBF_CMAP_ACL_9
  match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
  match protocol http
  match protocol https
  match protocol ssh
  match protocol telnet
  match protocol tftp
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
  match access-group name CSM_ZBF_CMAP_ACL_8
  match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
  match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
  match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
  match protocol citrix
  match protocol ldap
  match protocol telnet
  match protocol sqlnet
  match protocol http url "*SalesReport*"
  match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
  match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
  match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
  match ip dscp 25
class-map match-any BRANCH-NET-MGMT

```



```
match protocol snmp
match protocol syslog
match protocol dns
match protocol icmp
match protocol ssh
match access-group name NET-MGMT-APPS
class-map match-all ROUTING
  match ip dscp cs6
class-map match-all SCAVENGER
  match ip dscp cs1
class-map match-all NET-MGMT
  match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
  match protocol gnutella
  match protocol fasttrack
  match protocol kazaa2
class-map match-any CALL-SIGNALING
  match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
  match ip dscp af21 af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
  class class-default
policy-map BRANCH-WAN-EDGE
  class VOICE
    priority percent 18
  class INTERACTIVE-VIDEO
    priority percent 15
  class CALL-SIGNALING
    bandwidth percent 5
  class ROUTING
    bandwidth percent 3
  class NET-MGMT
    bandwidth percent 2
  class MISSION-CRITICAL-DATA
    bandwidth percent 15
    random-detect
  class TRANSACTIONAL-DATA
    bandwidth percent 12
    random-detect dscp-based
  class BULK-DATA
    bandwidth percent 4
    random-detect dscp-based
  class SCAVENGER
    bandwidth percent 1
  class class-default
    bandwidth percent 25
    random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
  class type inspect CSM_ZBF_CLASS_MAP_14
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_18
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_20
```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_25
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_23
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_36
drop log
class type inspect CSM_ZBF_CLASS_MAP_37
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_24
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_34

```

```
drop log
class type inspect CSM_ZBF_CLASS_MAP_35
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_21
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_38
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
class type inspect CSM_ZBF_CLASS_MAP_15
pass
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
```

```

inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_31
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log

```

```
policy-map type inspect CSM_ZBF_POLICY_MAP_22
  class type inspect CSM_ZBF_CLASS_MAP_30
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
  class type inspect CSM_ZBF_CLASS_MAP_13
    pass
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_12
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
  class type inspect CSM_ZBF_CLASS_MAP_9
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_10
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_11
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
  class type inspect CSM_ZBF_CLASS_MAP_6
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
  class type inspect CSM_ZBF_CLASS_MAP_1
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_8
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
  class type inspect CSM_ZBF_CLASS_MAP_1
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_6
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_7
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
  class type inspect CSM_ZBF_CLASS_MAP_1
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_5
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
  class type inspect CSM_ZBF_CLASS_MAP_1
```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_4
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_2
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop
policy-map BRANCH-LAN-EDGE-IN
class BRANCH-MISSION-CRITICAL
set ip dscp 25
class BRANCH-TRANSACTIONAL-DATA
set ip dscp af21
class BRANCH-NET-MGMT
set ip dscp cs2
class BRANCH-BULK-DATA
set ip dscp af11
class BRANCH-SCAVENGER
set ip dscp cs1
!
zone security S_WAN
description Store WAN Link
zone security S_R-2-R
description Bridge link between routers
zone security LOOPBACK
description Loopback interface
zone security S_MGMT
description VLAN1000 Management
zone security S_Security
description VLAN20 Physical Security Systems
zone security S_WAAS
description VLAN19 WAAS optimization
zone security S_WLC-AP
description VLAN18 Wireless Systems
zone security S_Data
description VLAN12 Store Data
zone security S_Data-W
description VLAN14 Store Wireless Data
zone security S_Guest
description VLAN17 Guest/Public Wireless
zone security S_Voice
description VLAN13 Store Voice
zone security S_Partners
description VLAN16 Partner network
zone security S_POS
description VLAN 11 POS Data
zone security S_POS-W
description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
service-policy type inspect CSM_ZBF_POLICY_MAP_4

```

```

zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_16

```

```

zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14

```



```

zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.126.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 ip address 10.10.255.112 255.255.255.0
 ip ips Retail-PCI in
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
 media-type rj45
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.112.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_POS
 standby 11 ip 10.10.112.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.113.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.113.1
 standby 12 priority 101
 standby 12 preempt

```

```

service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
description VOICE
encapsulation dot1Q 13
ip address 10.10.114.2 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Voice
standby 13 ip 10.10.114.1
standby 13 priority 101
standby 13 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.14
description WIRELESS
encapsulation dot1Q 14
ip address 10.10.115.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Data-W
standby 14 ip 10.10.115.1
standby 14 priority 101
standby 14 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
description WIRELESS-POS
encapsulation dot1Q 15
ip address 10.10.116.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_POS-W
standby 15 ip 10.10.116.1
standby 15 priority 101
standby 15 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
description PARTNER
encapsulation dot1Q 16
ip address 10.10.117.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Partners
standby 16 ip 10.10.117.1
standby 16 priority 101
standby 16 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
description WIRELESS-GUEST
encapsulation dot1Q 17
ip address 10.10.118.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Guest
standby 17 ip 10.10.118.1
standby 17 priority 101
standby 17 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18

```

```
description WIRELESS-CONTROL
encapsulation dot1Q 18
ip address 10.10.119.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WLC-AP
standby 18 ip 10.10.119.1
standby 18 priority 101
standby 18 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
description WAAS
encapsulation dot1Q 19
ip address 10.10.120.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WAAS
standby 19 ip 10.10.120.1
standby 19 priority 101
standby 19 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
description SECURITY-SYSTEMS
encapsulation dot1Q 20
ip address 10.10.121.2 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Security
standby 20 ip 10.10.121.1
standby 20 priority 101
standby 20 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.102
description ROUTER LINK TO
encapsulation dot1Q 102
ip address 10.10.126.29 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/1.1000
description MANAGEMENT
encapsulation dot1Q 1000
ip address 10.10.127.2 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.127.1
standby 100 priority 101
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/2
no ip address
duplex auto
speed auto
!
interface GigabitEthernet0/2.101
description ROUTER LINK TO
encapsulation dot1Q 101
ip address 10.10.126.25 255.255.255.252
ip pim sparse-dense-mode
```

```

zone-member security S_R-2-R
service-policy input BRANCH-LAN-EDGE-IN
!
interface SM1/0
ip address 10.10.126.41 255.255.255.252
zone-member security S_WAAS
service-module fail-open
service-module ip address 10.10.126.42 255.255.255.252
service-module ip default-gateway 10.10.126.41
hold-queue 60 out
!
interface SM1/1
description Internal switch interface connected to Service Module
!
interface Vlan1
no ip address
!
!
router ospf 5
router-id 10.10.126.1
redistribute connected subnets
passive-interface default
no passive-interface GigabitEthernet0/1.102
no passive-interface GigabitEthernet0/2.101
network 10.10.0.0 0.0.255.255 area 10
default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
remark ---File Transfer---
permit tcp any any eq ftp
permit tcp any any eq ftp-data
remark ---E-mail traffic---
permit tcp any any eq smtp
permit tcp any any eq pop3
permit tcp any any eq 143
remark ---other EDM app protocols---
permit tcp any any range 3460 3466
permit tcp any range 3460 3466 any
remark ---messaging services---
permit tcp any any eq 2980
permit tcp any eq 2980 any
remark ---Microsoft file services---
permit tcp any any range 137 139
permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
remark Data Center Mgmt to Devices
permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
object-group STORE-POS

```

```

remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
remark Permit POS systems to talk to Data Center Servers
permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
remark Data Center VOICE (wired and Wireless)
permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
remark Store WAAS to Clients and Servers
permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
remark Syslog and SNMP Alerts
permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
remark Store to Data Center Authentications
permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
remark Store to Data Center for NTP
permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
remark Store to Data Center for DHCP and DNS
permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
remark Data Center subscribe to IPS SDEE events
permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
remark Permit ICMP traffic
permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
remark Store UCS E-series server to Data Center vSphere
permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
remark Store NAC
permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
remark Store to Data Center Physical Security
permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
remark Store WAAS (WAAS Devices need their own zone)
permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
remark Store to Data Center wireless controller traffic

```

```

    permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
    DC-POS-Oracle
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
    DC-POS-SAP
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
    DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381023 object-group
    CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_81604381041 object-group
    CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
    remark Permit POS clients to talk to store POS server
    permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
    STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
    remark Store DATA (wired and Wireless - Access to DC Other applications)
    permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
    DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
    remark Store GUEST - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
    remark Store GUEST (access to internet/DMZ web servers)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
    remark Store PARTNERS - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
ip access-list extended CSM_ZBF_CMAP_ACL_37
    remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
    remark Store VOICE (wired and Wireless - Access to corporate wide voice)
    permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
    remark Data Center vSphere to UCS E-series server
    permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
    Stores-ALL

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_5
remark Data Center to Store Physical Security
permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
remark Data Center WAAS to Store
permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
remark Data Center Wireless Control to AP's and Controllers in stores
permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
remark ---POS Applications---
permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
remark - Router user Authentication - Identifies TACACS Control traffic
permit tcp any any eq tacacs
permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
remark ---Workbrain Application---
remark --Large Store Clock Server to Central Clock Application
permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
remark --Large store Clock Server to CUAE
permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
remark ---LiteScape Application---
permit ip any host 192.168.46.82
permit ip any 239.192.0.0 0.0.0.255
permit ip any host 239.255.255.250
remark ---Remote Desktop---
permit tcp any any eq 3389
permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp any 192.168.46.0 0.0.0.255 eq 7777
permit tcp any 192.168.46.0 0.0.0.255 eq 6003
permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!

```

```

!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp fax t38 ecm
!
mgcp profile default
!
!
!
!
!
gatekeeper
shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

```

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.


```
banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY

!
line con 0
  session-timeout 15  output
  exec-timeout 15 0
  login authentication RETAIL
line aux 0
  session-timeout 1  output
  exec-timeout 0 1
  privilege level 0
  login authentication RETAIL
  no exec
  transport preferred none
  transport output none
line 67
  no activation-character
  no exec
  transport preferred none
  transport input ssh
  transport output none
  stopbits 1
line vty 0 4
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
exception data-corruption buffer truncate
```

```

scheduler allocate 20000 1000
ntp source Loopback0
ntp update-calendar
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

R-A2-MED-2

```

!
! Last configuration change at 23:30:34 PCTime Fri Apr 29 2011 by retail
! NVRAM config last updated at 23:30:35 PCTime Fri Apr 29 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime msec localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname R-A2-MED-2
!
boot-start-marker
boot system flash:c2951-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 500000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
    action-type start-stop
    group tacacs+
!
aaa accounting commands 15 default
    action-type start-stop
    group tacacs+
!
aaa accounting system default
    action-type start-stop
    group tacacs+
!
!
!
!
!
aaa session-id common

```

```

!
clock timezone PCTime -8 0
clock summer-time PCTime date Apr 6 2003 2:00 Oct 26 2003 2:00
!
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-104836678
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-104836678
  revocation-check none
!
!
crypto pki certificate chain TP-self-signed-104836678
  certificate self-signed 02
    <removed>
    quit
no ipv6 cef
no ip source-route
no ip gratuitous-arps
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip ips notify SDEE
ip ips name Retail-PCI
!
ip ips signature-category
  category all
  retired true
  category ios_ips default
  retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
  WAAS enable
parameter-map type inspect Inspect-1
  audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
voice-card 0
!
!
!
!

```

```

!
!
!
license udi pid CISCO2951/K9 sn <removed>
hw-module sm 1
!
hw-module sm 2
!
!
!
archive
 log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
 host 192.168.42.130
!
object-group service CAPWAP
 description CAPWAP UDP ports 5246 and 5247
 udp eq 5246
 udp eq 5247
!
object-group service CISCO-WAAS
 description Ports for Cisco WAAS
 tcp eq 4050
!
object-group network EMC-NCM
 description EMC Network Configuration Manager
 host 192.168.42.122
!
object-group network RSA-enVision
 description RSA EnVision Syslog collector and SIM
 host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_81604380995
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object EMC-NCM
 group-object RSA-enVision
!
object-group network TACACS
 description Csico Secure ACS server for TACACS and Radius
 host 192.168.42.131
!
object-group network RSA-AM
 description RSA Authentication Manager for SecureID
 host 192.168.42.137
!
object-group network NAC-1
 description ISE server for NAC
 host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_81604381001
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
 group-object ActiveDirectory.cisco-irn.com
 group-object TACACS
 group-object RSA-AM
 group-object NAC-1
!
object-group network NAC-2
 host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_81604381037
 description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)

```

```

group-object NAC-2
group-object NAC-1
!
object-group network DC-ALL
description All of the Data Center
192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
description all store networks
10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_81604381039
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network WCSManager
description Wireless Manager
host 192.168.43.135
!
object-group network DC-Wifi-Controllers
description Central Wireless Controllers for stores
host 192.168.43.21
host 192.168.43.22
!
object-group network DC-Wifi-MSE
description Mobility Service Engines
host 192.168.43.31
host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_81604381045
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
host 192.168.44.111
!
object-group network MSP-DC-1
description Data Center VSOM
host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_81604381049
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_81604381059
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381067
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381071
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_81604381150

```

```

description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_dst_rule_81604381152
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group network DC-Admin
description DC Admin Systems
host 192.168.41.101
host 192.168.41.102
!
object-group network CSManager
description Cisco Security Manager
host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_81604380993
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object EMC-NCM
group-object CSManager
!
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center
192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
description SAP POS Communication from Store to Data Center
192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
description Oracle POS Communication from Store to Data Center
192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_81604381021
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381023
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_81604381041
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_81604381043
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_81604381047
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object PAME-DC-1

```

```

group-object MSP-DC-1
!
object-group network DC-WAAS
description WAE Appliances in Data Center
host 192.168.48.10
host 192.168.49.10
host 192.168.47.11
host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_81604381051
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
group-object DC-Admin
group-object DC-WAAS
!
object-group network CSM_INLINE_src_rule_81604381150
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group network CSM_INLINE_src_rule_81604381152
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-HA_v1/mandatory)
10.10.126.0 255.255.255.0
10.10.110.0 255.255.255.0
!
object-group service CSM_INLINE_svc_rule_81604380993
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq 22
!
object-group service CSM_INLINE_svc_rule_81604380995
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq syslog
udp eq snmp
udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_81604381001
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq tacacs
udp eq 1812
udp eq 1813
tcp eq 389
tcp eq 636
!
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts
tcp eq 5989
tcp eq 8000
tcp eq 902
tcp eq 903
!
object-group service CSM_INLINE_svc_rule_81604381003
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq 22
group-object vCenter-to-ESX4
!
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
udp eq 427

```

```

    tcp eq 427
    !
    object-group service CSM_INLINE_svc_rule_81604381005
    description Generated by CS-Manager from service of ZbfInspectRule# 0
    (Store-HA_v1/mandatory)
    tcp eq 443
    group-object vCenter-to-ESX4
    group-object ESX-SLP
    !
    object-group service ORACLE-RMI
    description RMI TCP ports 1300 and 1301-1319.
    tcp range 1300 1319
    !
    object-group service ORACLE-Weblogic
    description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
    tcp eq 7001
    tcp eq 7002
    tcp eq 1521
    !
    object-group service ORACLE-WAS
    description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
    tcp eq 2809
    tcp eq 9443
    tcp eq 1414
    !
    object-group service ORACLE-OAS
    description OAS uses one port for HTTP and RMI - 12601.
    tcp eq 12601
    !
    object-group service CSM_INLINE_svc_rule_81604381009
    description Generated by CS-Manager from service of ZbfInspectRule# 0
    (Store-HA_v1/mandatory)
    tcp eq 443
    tcp eq 22
    group-object ORACLE-RMI
    group-object ORACLE-Weblogic
    group-object ORACLE-WAS
    group-object ORACLE-OAS
    !
    object-group service CSM_INLINE_svc_rule_81604381011
    description Generated by CS-Manager from service of ZbfInspectRule# 0
    (Store-HA_v1/mandatory)
    tcp eq 443
    tcp eq 22
    group-object ORACLE-RMI
    group-object ORACLE-Weblogic
    group-object ORACLE-WAS
    group-object ORACLE-OAS
    !
    object-group service HTTPS-8443
    tcp eq 8443
    !
    object-group service CSM_INLINE_svc_rule_81604381013
    description Generated by CS-Manager from service of ZbfInspectRule# 0
    (Store-HA_v1/mandatory)
    tcp eq 443
    tcp eq 22
    group-object HTTPS-8443
    !
    object-group service CSM_INLINE_svc_rule_81604381015
    description Generated by CS-Manager from service of ZbfInspectRule# 0
    (Store-HA_v1/mandatory)
    tcp eq 443
    tcp eq 22

```



```

group-object HTTPS-8443
!
object-group service TOMAX-8990
description Tomax Application Port
tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_81604381017
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_81604381019
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
group-object TOMAX-8990
!
object-group service ICMP-Requests
description ICMP requests
icmp information-request
icmp mask-request
icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_81604381021
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
icmp redirect
icmp alternate-address
group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381023
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
icmp redirect
icmp alternate-address
group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_81604381025
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
tcp eq smtp
tcp eq pop3
tcp eq 143
!
object-group service CSM_INLINE_svc_rule_81604381027
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_81604381029
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)

```

```

tcp
udp
tcp eq 443
!
object-group service DNS-Resolving
description Domain Name Server
tcp eq domain
udp eq domain
!
object-group service CSM_INLINE_svc_rule_81604381035
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
udp eq bootps
group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_81604381037
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq www
tcp eq 443
group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_81604381039
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service CSM_INLINE_svc_rule_81604381041
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
udp eq 12222
udp eq 12223
!
object-group service TFTP
description Trivial File Transfer
tcp eq 69
udp eq tftp
!
object-group service IP-Protocol-97
description IP protocol 97
97
!
object-group service CSM_INLINE_svc_rule_81604381043
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-HA_v1/mandatory)
tcp eq 443
tcp eq www
tcp eq 22
tcp eq telnet
udp eq isakmp
group-object CAPWAP
group-object LWAPP
group-object TFTP
group-object IP-Protocol-97

```

```

!
object-group service Cisco-Mobility
  description Mobility ports for Wireless
  udp eq 16666
  udp eq 16667
!
object-group service CSM_INLINE_svc_rule_81604381045
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object Cisco-Mobility
  group-object IP-Protocol-97
!
object-group service Microsoft-DS-SMB
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
  tcp eq 445
!
object-group service CSM_INLINE_svc_rule_81604381051
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381053
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381055
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp
  tcp eq 139
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_81604381057
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  icmp
  tcp-udp eq 5060
  tcp eq 2000
  tcp eq www
  tcp eq 443
  group-object TFTP
!
object-group service CSM_INLINE_svc_rule_81604381059
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp-udp eq 5060
  tcp eq 2000
!
object-group service CSM_INLINE_svc_rule_81604381061
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www

```

```

    tcp eq 443
    !
object-group service CSM_INLINE_svc_rule_81604381063
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
  !
object-group service Netbios
  description Netbios Servers
  udp eq netbios-dgm
  udp eq netbios-ns
  tcp eq 139
  !
object-group service ORACLE-SIM
  description Oracle Store Inventory Management
  tcp eq 7777
  tcp eq 6003
  tcp range 12401 12500
  !
object-group service RDP
  description Windows Remote Desktop
  tcp eq 3389
  !
object-group service Workbrain
  tcp eq 8444
  !
object-group service CSM_INLINE_svc_rule_81604381065
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-HA_v1/mandatory)
  tcp eq ftp
  tcp eq www
  tcp eq 443
  udp eq 88
  tcp-udp eq 42
  group-object Microsoft-DS-SMB
  group-object Netbios
  group-object ORACLE-SIM
  group-object RDP
  group-object Workbrain
  !
object-group network DC-Applications
  description Applications in the Data Center that are non-PCI related(Optimized by
  CS-Manager)
  192.168.180.0 255.255.254.0
  !
object-group network DC-Voice
  description Data Center Voice
  192.168.45.0 255.255.255.0
  !
object-group network MS-Update
  description Windows Update Server
  host 192.168.42.150
  !
object-group network MExchange
  description Mail Server
  host 192.168.42.140
  !
object-group service NTP
  description NTP Protocols
  tcp eq 123

```

```

    udp eq ntp
  !
  object-group network NTP-Servers
    description NTP Servers
    host 192.168.62.161
    host 162.168.62.162
  !
  object-group network STORE-POS
    10.10.0.0 255.255.0.0
  !
  object-group network vSphere-1
    description vSphere server for Lab
    host 192.168.41.102
  !
  username retail privilege 15 secret 5 <removed>
  username bart privilege 15 secret 5 <removed>
  username emc-ncm privilege 15 secret 5 <removed>
  username bmcgloth privilege 15 secret 5 <removed>
  username csmadmin privilege 15 secret 5 <removed>
  !
  redundancy
  !
  !
  !
  !
  ip tcp synwait-time 10
  ip ssh time-out 30
  ip ssh authentication-retries 2
  ip ssh version 2
  ip scp server enable
  !
  class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
    match protocol http
    match protocol https
    match protocol microsoft-ds
    match protocol ms-sql
    match protocol ms-sql-m
    match protocol netbios-dgm
    match protocol netbios-ns
    match protocol oracle
    match protocol oracle-em-vp
    match protocol oraclenames
    match protocol tcp
    match protocol udp
  class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
    match access-group name CSM_ZBF_CMAP_ACL_10
    match class-map CSM_ZBF_CMAP_PLMAP_7
  class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
    match protocol http
    match protocol https
    match protocol tcp
    match protocol udp
  class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
    match access-group name CSM_ZBF_CMAP_ACL_23
    match class-map CSM_ZBF_CMAP_PLMAP_4
  class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
    match protocol http
    match protocol https
    match protocol imap3
    match protocol pop3
    match protocol pop3s
    match protocol smtp
    match protocol tcp
    match protocol udp

```

```

class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
  match access-group name CSM_ZBF_CMAP_ACL_32
  match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
  match access-group name CSM_ZBF_CMAP_ACL_11
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
  match protocol http
  match protocol https
  match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
  match access-group name CSM_ZBF_CMAP_ACL_22
  match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
  match protocol http
  match protocol https
  match protocol netbios-dgm
  match protocol netbios-ns
  match protocol netbios-ssn
  match protocol ftp
  match protocol ssh
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
  match access-group name CSM_ZBF_CMAP_ACL_33
  match class-map CSM_ZBF_CMAP_PLMAP_20
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
  match protocol sip
  match protocol sip-tls
  match protocol skinny
  match protocol tftp
  match protocol http
  match protocol https
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
  match access-group name CSM_ZBF_CMAP_ACL_12
  match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
  match protocol https
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
  match access-group name CSM_ZBF_CMAP_ACL_21
  match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
  match protocol http
  match protocol https
  match protocol icmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
  match access-group name CSM_ZBF_CMAP_ACL_30
  match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
  match access-group name CSM_ZBF_CMAP_ACL_13
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
  match access-group name CSM_ZBF_CMAP_ACL_20
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
  match protocol http
  match protocol https
  match protocol udp
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
  match access-group name CSM_ZBF_CMAP_ACL_31

```

```
match class-map CSM_ZBF_CMAP_PLMAP_18
class-map match-all BRANCH-BULK-DATA
  match protocol tftp
  match protocol nfs
  match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
  match protocol http
  match protocol https
  match protocol netbios-dgm
  match protocol netbios-ns
  match protocol netbios-ssn
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
  match access-group name CSM_ZBF_CMAP_ACL_14
  match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
  match access-group name CSM_ZBF_CMAP_ACL_27
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
  match access-group name CSM_ZBF_CMAP_ACL_36
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
  match access-group name CSM_ZBF_CMAP_ACL_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
  match access-group name CSM_ZBF_CMAP_ACL_26
  match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
  match protocol tcp
  match protocol udp
  match protocol http
  match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_37
  match access-group name CSM_ZBF_CMAP_ACL_37
  match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
  match protocol syslog
  match protocol syslog-conn
  match protocol snmp
  match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
  match access-group name CSM_ZBF_CMAP_ACL_16
  match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
  match protocol http
  match protocol https
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
  match access-group name CSM_ZBF_CMAP_ACL_25
  match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
  match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
  match protocol ldaps
  match protocol ldap
  match protocol ldap-admin
  match protocol radius
  match protocol tacacs
  match protocol tacacs-ds
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
  match access-group name CSM_ZBF_CMAP_ACL_17
  match class-map CSM_ZBF_CMAP_PLMAP_10
```

```

class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
  match protocol http
  match protocol https
  match protocol netbios-ns
  match protocol netbios-dgm
  match protocol netbios-ssn
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
  match access-group name CSM_ZBF_CMAP_ACL_24
  match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
  match access-group name CSM_ZBF_CMAP_ACL_35
  match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
  match protocol ntp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
  match access-group name CSM_ZBF_CMAP_ACL_18
  match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
  match protocol bootpc
  match protocol bootps
  match protocol udp
  match protocol tcp
  match protocol dns
  match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
  match access-group name CSM_ZBF_CMAP_ACL_19
  match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
  match access-group name CSM_ZBF_CMAP_ACL_29
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
  match protocol sip
  match protocol sip-tls
  match protocol skinny
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_38
  match access-group name CSM_ZBF_CMAP_ACL_38
  match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
  match access-group name CSM_ZBF_CMAP_ACL_28
  match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
  match protocol https
  match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
  match access-group name CSM_ZBF_CMAP_ACL_1
  match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
  match access-group name CSM_ZBF_CMAP_ACL_3
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
  match protocol https
  match protocol http
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
  match access-group name CSM_ZBF_CMAP_ACL_2
  match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
  match access-group name CSM_ZBF_CMAP_ACL_5

```



```

match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
  match protocol http
  match protocol https
  match protocol ssh
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
  match access-group name CSM_ZBF_CMAP_ACL_4
  match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
  match access-group name CSM_ZBF_CMAP_ACL_7
  match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
  match access-group name CSM_ZBF_CMAP_ACL_6
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
  match access-group name CSM_ZBF_CMAP_ACL_9
  match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
  match protocol http
  match protocol https
  match protocol ssh
  match protocol telnet
  match protocol tftp
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
  match access-group name CSM_ZBF_CMAP_ACL_8
  match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
  match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
  match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
  match protocol citrix
  match protocol ldap
  match protocol telnet
  match protocol sqlnet
  match protocol http url "*SalesReport*"
  match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
  match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
  match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
  match ip dscp 25
class-map match-any BRANCH-NET-MGMT
  match protocol snmp
  match protocol syslog
  match protocol dns
  match protocol icmp
  match protocol ssh
  match access-group name NET-MGMT-APPS
class-map match-all ROUTING
  match ip dscp cs6
class-map match-all SCAVENGER
  match ip dscp cs1
class-map match-all NET-MGMT
  match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
  match protocol gnutella
  match protocol fasttrack

```

```

match protocol kazaa2
class-map match-any CALL-SIGNALING
match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
match ip dscp af21 af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
class class-default
policy-map BRANCH-WAN-EDGE
class VOICE
priority percent 18
class INTERACTIVE-VIDEO
priority percent 15
class CALL-SIGNALING
bandwidth percent 5
class ROUTING
bandwidth percent 3
class NET-MGMT
bandwidth percent 2
class MISSION-CRITICAL-DATA
bandwidth percent 15
random-detect
class TRANSACTIONAL-DATA
bandwidth percent 12
random-detect dscp-based
class BULK-DATA
bandwidth percent 4
random-detect dscp-based
class SCAVENGER
bandwidth percent 1
class class-default
bandwidth percent 25
random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_25
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22

```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_23
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_25
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_36
drop log
class type inspect CSM_ZBF_CLASS_MAP_37
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_24
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_24
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_34
drop log
class type inspect CSM_ZBF_CLASS_MAP_35
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_27
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1

```

```

class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_15
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_21
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_26
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_38
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
class type inspect CSM_ZBF_CLASS_MAP_15
pass
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_21
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default

```

```

drop
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_28
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_29
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_23
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_31
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
class type inspect CSM_ZBF_CLASS_MAP_30
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_9
class type inspect CSM_ZBF_CLASS_MAP_13
pass
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_12
inspect Inspect-1

```

```

class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
class type inspect CSM_ZBF_CLASS_MAP_9
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_10
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_11
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_8
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_7
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_5
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_4
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_2
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default

```

```

drop
policy-map BRANCH-LAN-EDGE-IN
class BRANCH-MISSION-CRITICAL
set ip dscp 25
class BRANCH-TRANSACTIONAL-DATA
set ip dscp af21
class BRANCH-NET-MGMT
set ip dscp cs2
class BRANCH-BULK-DATA
set ip dscp af11
class BRANCH-SCAVENGER
set ip dscp cs1
!
zone security S_WAN
description Store WAN Link
zone security S_R-2-R
description Bridge link between routers
zone security LOOPBACK
description Loopback interface
zone security S_MGMT
description VLAN1000 Management
zone security S_Security
description VLAN20 Physical Security Systems
zone security S_WAAS
description VLAN19 WAAS optimization
zone security S_WLC-AP
description VLAN18 Wireless Systems
zone security S_Data
description VLAN12 Store Data
zone security S_Data-W
description VLAN14 Store Wireless Data
zone security S_Guest
description VLAN17 Guest/Public Wireless
zone security S_Voice
description VLAN13 Store Voice
zone security S_Partners
description VLAN16 Partner network
zone security S_POS
description VLAN 11 POS Data
zone security S_POS-W
description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice

```

```

service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_S_R-2-R-LOOPBACK_1 source S_R-2-R destination LOOPBACK
service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_R-2-R-S_MGMT_1 source S_R-2-R destination S_MGMT
service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_R-2-R-S_Security_1 source S_R-2-R destination S_Security
service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_R-2-R-S_WAAS_1 source S_R-2-R destination S_WAAS
service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_R-2-R-S_WLC-AP_1 source S_R-2-R destination S_WLC-AP
service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_R-2-R-self_1 source S_R-2-R destination self
service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_S_R-2-R-S_Data_1 source S_R-2-R destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Data-W_1 source S_R-2-R destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_Guest_1 source S_R-2-R destination S_Guest
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_R-2-R-S_Partners_1 source S_R-2-R destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_R-2-R-S_POS_1 source S_R-2-R destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_POS-W_1 source S_R-2-R destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_Voice_1 source S_R-2-R destination S_Voice
service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_self-S_R-2-R_1 source self destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_R-2-R_1 source LOOPBACK destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_R-2-R_1 source S_MGMT destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_R-2-R_1 source S_Security destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_R-2-R_1 source S_WAAS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W

```



```

service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_R-2-R_1 source S_WLC-AP destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-S_R-2-R_1 source S_POS destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_R-2-R_1 source S_POS-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_22
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-S_R-2-R_1 source S_Data destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Data-W-S_R-2-R_1 source S_Data-W destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_23
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Guest-S_R-2-R_1 source S_Guest destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_24
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Partners-S_R-2-R_1 source S_Partners destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_25
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_26
zone-pair security CSM_S_Voice-S_R-2-R_1 source S_Voice destination S_R-2-R
service-policy type inspect CSM_ZBF_POLICY_MAP_27
!
!
!

```

```

!
!
!
!
interface Loopback0
 ip address 10.10.126.2 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 ip address 10.10.254.112 255.255.255.0
 ip ips Retail-PCI in
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
 media-type rj45
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.112.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_POS
 standby 11 ip 10.10.112.1
 standby 11 priority 99
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.113.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in
 ip pim sparse-dense-mode
 zone-member security S_Data
 standby 12 ip 10.10.113.1
 standby 12 priority 99
 standby 12 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
 description VOICE
 encapsulation dot1Q 13
 ip address 10.10.114.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_Voice
 standby 13 ip 10.10.114.1
 standby 13 priority 99
 standby 13 preempt
 service-policy output BRANCH-LAN-EDGE-OUT
!

```

```
interface GigabitEthernet0/1.14
description WIRELESS
encapsulation dot1Q 14
ip address 10.10.115.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Data-W
standby 14 ip 10.10.115.1
standby 14 priority 99
standby 14 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
description WIRELESS-POS
encapsulation dot1Q 15
ip address 10.10.116.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_POS-W
standby 15 ip 10.10.116.1
standby 15 priority 99
standby 15 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
description PARTNER
encapsulation dot1Q 16
ip address 10.10.117.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Partners
standby 16 ip 10.10.117.1
standby 16 priority 99
standby 16 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
description WIRELESS-GUEST
encapsulation dot1Q 17
ip address 10.10.118.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Guest
standby 17 ip 10.10.118.1
standby 17 priority 99
standby 17 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
description WIRELESS-CONTROL
encapsulation dot1Q 18
ip address 10.10.119.3 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WLC-AP
standby 18 ip 10.10.119.1
standby 18 priority 99
standby 18 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
description WAAS
encapsulation dot1Q 19
ip address 10.10.120.3 255.255.255.0
```

```

ip helper-address 192.168.42.130
zone-member security S_WAAS
standby 19 ip 10.10.120.1
standby 19 priority 99
standby 19 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
description SECURITY-SYSTEMS
encapsulation dot1Q 20
ip address 10.10.121.3 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Security
standby 20 ip 10.10.121.1
standby 20 priority 99
standby 20 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.101
description ROUTER LINK TO
encapsulation dot1Q 101
ip address 10.10.126.26 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
service-policy input BRANCH-LAN-EDGE-IN
!
interface GigabitEthernet0/1.1000
description MANAGEMENT
encapsulation dot1Q 1000
ip address 10.10.127.3 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.127.1
standby 100 priority 99
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/2
no ip address
duplex auto
speed auto
!
interface GigabitEthernet0/2.102
description ROUTER LINK TO
encapsulation dot1Q 102
ip address 10.10.126.30 255.255.255.252
ip pim sparse-dense-mode
zone-member security S_R-2-R
service-policy input BRANCH-LAN-EDGE-IN
!
interface SM1/0
description Video Surveillance VMSS Module
ip address 10.10.126.45 255.255.255.252
zone-member security S_Security
service-module ip address 10.10.126.46 255.255.255.252
!Application: FNDN Running on SM
service-module ip default-gateway 10.10.126.45
hold-queue 60 out
!
interface SM1/1
description Internal switch interface connected to Service Module
!

```

```

interface SM2/0
 ip address 10.10.126.50 255.255.255.252
 zone-member security S_MGMT
 service-module ip address 10.10.126.49 255.255.255.252
 !Application: SRE-V Running on SMV
 service-module ip default-gateway 10.10.126.50
 service-module mgf ip address 10.10.125.49 255.255.255.0
 hold-queue 60 out
!
interface SM2/1
 description Internal switch interface connected to Service Module
!
interface Vlan1
 description ESXi Host and Virtual Machines$ES_LAN$
 ip address 10.10.125.50 255.255.255.0
 zone-member security S_POS
!
!
router ospf 5
 router-id 10.10.126.2
 redistribute connected subnets
 passive-interface default
 no passive-interface GigabitEthernet0/1.101
 no passive-interface GigabitEthernet0/2.102
 network 10.10.0.0 0.0.255.255 area 10
 default-information originate
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.254.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
 remark ---File Transfer---
 permit tcp any any eq ftp
 permit tcp any any eq ftp-data
 remark ---E-mail traffic---
 permit tcp any any eq smtp
 permit tcp any any eq pop3
 permit tcp any any eq 143
 remark ---other EDM app protocols---
 permit tcp any any range 3460 3466
 permit tcp any range 3460 3466 any
 remark ---messaging services---
 permit tcp any any eq 2980
 permit tcp any eq 2980 any
 remark ---Microsoft file services---
 permit tcp any any range 137 139
 permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
 remark Data Center Mgmt to Devices
 permit object-group CSM_INLINE_svc_rule_81604380993 object-group
CSM_INLINE_src_rule_81604380993 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
 remark Permit POS systems to talk to Data Center Servers
 permit object-group CSM_INLINE_svc_rule_81604381011 object-group DC-POS-Oracle
 object-group STORE-POS

```

```

    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381015 object-group DC-POS-SAP object-group
STORE-POS
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381019 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381021 object-group
CSM_INLINE_src_rule_81604381021 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
    remark Data Center VOICE (wired and Wireless)
    permit object-group CSM_INLINE_svc_rule_81604381057 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
    permit ospf object-group CSM_INLINE_src_rule_81604381150 object-group
CSM_INLINE_dst_rule_81604381150
ip access-list extended CSM_ZBF_CMAP_ACL_14
    remark Store WAAS to Clients and Servers
    permit object-group CSM_INLINE_svc_rule_81604381055 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_15
    permit ospf object-group CSM_INLINE_src_rule_81604381152 object-group
CSM_INLINE_dst_rule_81604381152
ip access-list extended CSM_ZBF_CMAP_ACL_16
    remark Syslog and SNMP Alerts
    permit object-group CSM_INLINE_svc_rule_81604380995 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604380995
ip access-list extended CSM_ZBF_CMAP_ACL_17
    remark Store to Data Center Authentications
    permit object-group CSM_INLINE_svc_rule_81604381001 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381001
ip access-list extended CSM_ZBF_CMAP_ACL_18
    remark Store to Data Center for NTP
    permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_19
    remark Store to Data Center for DHCP and DNS
    permit object-group CSM_INLINE_svc_rule_81604381035 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_2
    remark Data Center subscribe to IPS SDEE events
    permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_81604381039 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381039
ip access-list extended CSM_ZBF_CMAP_ACL_21
    remark Store UCS E-series server to Data Center vShphere
    permit object-group CSM_INLINE_svc_rule_81604381005 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_22
    remark Store NAC
    permit object-group CSM_INLINE_svc_rule_81604381037 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_81604381037
ip access-list extended CSM_ZBF_CMAP_ACL_23
    remark Store to Data Center Physical Security
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381049
ip access-list extended CSM_ZBF_CMAP_ACL_24
    remark Store WAAS (WAAS Devices need their own zone)
    permit object-group CSM_INLINE_svc_rule_81604381053 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_25
    remark Store to Data Center wireless controller traffic

```

```

    permit object-group CSM_INLINE_svc_rule_81604381045 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381045
ip access-list extended CSM_ZBF_CMAP_ACL_26
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381009 object-group STORE-POS object-group
    DC-POS-Oracle
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381013 object-group STORE-POS object-group
    DC-POS-SAP
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381017 object-group STORE-POS object-group
    DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_27
    remark Permit POS systems to talk to Data Center Servers
    permit object-group CSM_INLINE_svc_rule_81604381023 object-group
    CSM_INLINE_src_rule_81604381023 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_28
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381025 object-group STORE-POS object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_29
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381027 object-group STORE-POS object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_81604381041 object-group
    CSM_INLINE_src_rule_81604381041 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
    remark Permit POS clients to talk to store POS server
    permit object-group CSM_INLINE_svc_rule_81604381029 object-group STORE-POS object-group
    STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_31
    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_81604381061 object-group Stores-ALL object-group
    MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_32
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_81604381063 object-group Stores-ALL object-group
    MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_33
    remark Store DATA (wired and Wireless - Access to DC Other applications)
    permit object-group CSM_INLINE_svc_rule_81604381065 object-group Stores-ALL object-group
    DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_34
    remark Store GUEST - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381071
ip access-list extended CSM_ZBF_CMAP_ACL_35
    remark Store GUEST (access to internet/DMZ web servers)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
    remark Store PARTNERS - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_81604381067
ip access-list extended CSM_ZBF_CMAP_ACL_37
    remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
    remark Store VOICE (wired and Wireless - Access to corporate wide voice)
    permit object-group CSM_INLINE_svc_rule_81604381059 object-group Stores-ALL object-group
    CSM_INLINE_dst_rule_81604381059
ip access-list extended CSM_ZBF_CMAP_ACL_4
    remark Data Center vSphere to UCS E-series server
    permit object-group CSM_INLINE_svc_rule_81604381003 object-group vSphere-1 object-group
    Stores-ALL

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_5
remark Data Center to Store Physical Security
permit ip object-group CSM_INLINE_src_rule_81604381047 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
remark Data Center WAAS to Store
permit object-group CSM_INLINE_svc_rule_81604381051 object-group
CSM_INLINE_src_rule_81604381051 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
remark Data Center Wireless Control to AP's and Controllers in stores
permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
remark ---POS Applications---
permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
remark - Router user Authentication - Identifies TACACS Control traffic
permit tcp any any eq tacacs
permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
remark ---Workbrain Application---
remark --Large Store Clock Server to Central Clock Application
permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
remark --Large store Clock Server to CUAЕ
permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
remark ---LiteScape Application---
permit ip any host 192.168.46.82
permit ip any 239.192.0.0 0.0.0.255
permit ip any host 239.255.255.250
remark ---Remote Desktop---
permit tcp any any eq 3389
permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp any 192.168.46.0 0.0.0.255 eq 7777
permit tcp any 192.168.46.0 0.0.0.255 eq 6003
permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!

```



```

!
!
nls resp-timeout 1
cpd cr-id 1
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper
shutdown
!
!
banner exec
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

```

```

banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1 output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
line 131
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none

```

```

!
scheduler allocate 20000 1000
scheduler interval 500
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

S-A2-MED-1

```

S-A2-MED-1/2#sh run
Building configuration...

```

```

Current configuration : 16629 bytes
!
! Last configuration change at 02:28:28 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:28:32 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime msec localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-MED-1/2
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PST DST recurring
switch 1 provision ws-c3750x-48p
switch 2 provision ws-c3750x-48p
system mtu routing 1500

```

```

authentication mac-move permit
ip subnet-zero
no ip source-route
no ip gratuitous-arps
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-4271428864
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-4271428864
  revocation-check none
  rsakeypair TP-self-signed-4271428864
!
!
crypto pki certificate chain TP-self-signed-4271428864
  certificate self-signed 01
  <removed> quit
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip tcp synwait-time 10
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0
  no ip address
  shutdown
!
interface GigabitEthernet1/0/1
  switchport trunk encapsulation dot1q
  switchport mode trunk
!
interface GigabitEthernet1/0/2
  switchport trunk encapsulation dot1q
  switchport mode trunk
!
interface GigabitEthernet1/0/3
  description Cisco9971 IP phone
  switchport access vlan 11
  switchport trunk encapsulation dot1q
  switchport voice vlan 13
  spanning-tree portfast

```

```
!  
interface GigabitEthernet1/0/4  
  description Cisco7975 IP phone  
  switchport access vlan 11  
  switchport trunk encapsulation dot1q  
  switchport voice vlan 13  
  spanning-tree portfast  
!  
interface GigabitEthernet1/0/5  
  switchport access vlan 20  
!  
interface GigabitEthernet1/0/6  
  description CPAM Gateway  
  switchport access vlan 20  
!  
interface GigabitEthernet1/0/7  
  switchport trunk encapsulation dot1q  
  switchport mode trunk  
!  
interface GigabitEthernet1/0/8  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/9  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/10  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/11  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/12  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/13  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/14  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/15  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/16  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/17  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/18  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet1/0/19
```

```
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/20
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/21
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/22
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/23
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/24
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/25
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/26
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/27
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/28
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/29
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/30
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/31
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/32
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/33
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/34
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/35
```

```
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/36
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/37
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/38
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/39
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/40
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/41
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/42
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/43
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/44
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/45
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/46
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/47
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/48
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/1/1
shutdown
!
interface GigabitEthernet1/1/2
shutdown
!
interface GigabitEthernet1/1/3
shutdown
!
```

```

interface GigabitEthernet1/1/4
 shutdown
!
interface TenGigabitEthernet1/1/1
 shutdown
!
interface TenGigabitEthernet1/1/2
 shutdown
!
interface GigabitEthernet2/0/1
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/2
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/3
!
interface GigabitEthernet2/0/4
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/5
 description AIR-CAP3502E
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet2/0/6
 description AIR-LAP1262N
 switchport trunk encapsulation dot1q
 switchport trunk native vlan 18
 switchport trunk allowed vlan 14-18
 switchport mode trunk
!
interface GigabitEthernet2/0/7
 switchport trunk encapsulation dot1q
 switchport mode trunk
!
interface GigabitEthernet2/0/8
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/9
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/10
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/11
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/12
 switchport access vlan 17
 shutdown
!
interface GigabitEthernet2/0/13
 switchport access vlan 17
 shutdown

```



```
!  
interface GigabitEthernet2/0/14  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/15  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/16  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/17  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/18  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/19  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/20  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/21  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/22  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/23  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/24  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/25  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/26  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/27  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/28  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/29  
  switchport access vlan 17  
  shutdown
```

```
!  
interface GigabitEthernet2/0/30  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/31  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/32  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/33  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/34  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/35  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/36  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/37  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/38  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/39  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/40  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/41  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/42  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/43  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/44  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/45  
  switchport access vlan 17  
  shutdown
```

```
!  
interface GigabitEthernet2/0/46  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/47  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/0/48  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet2/1/1  
  shutdown  
!  
interface GigabitEthernet2/1/2  
  shutdown  
!  
interface GigabitEthernet2/1/3  
  shutdown  
!  
interface GigabitEthernet2/1/4  
  shutdown  
!  
interface TenGigabitEthernet2/1/1  
  shutdown  
!  
interface TenGigabitEthernet2/1/2  
  shutdown  
!  
interface Vlan1  
  no ip address  
  shutdown  
!  
interface Vlan1000  
  description Management VLAN for Switch  
  ip address 10.10.127.11 255.255.255.0  
!  
ip default-gateway 10.10.127.1  
ip classless  
no ip forward-protocol nd  
no ip http server  
ip http access-class 23  
ip http authentication aaa login-authentication RETAIL  
ip http secure-server  
ip http secure-ciphersuite 3des-edc-cbc-sha  
ip http timeout-policy idle 60 life 86400 requests 10000  
ip tacacs source-interface Vlan1000  
!  
!  
ip sla enable reaction-alerts  
logging trap debugging  
logging source-interface Vlan1000  
logging 192.168.42.124  
access-list 23 permit 192.168.41.101 log  
access-list 23 permit 192.168.41.102 log  
access-list 23 permit 192.168.42.111 log  
access-list 23 permit 192.168.42.122 log  
access-list 23 permit 192.168.42.124 log  
access-list 23 permit 127.0.0.1 log  
access-list 23 permit 192.168.42.131 log  
access-list 23 permit 192.168.42.133 log  
access-list 23 permit 192.168.42.138 log
```

```

access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL, CIVIL AND CRIMINAL LAWS.

^C

banner login ^C

WARNING:

THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

^C

!

```
line con 0
  session-timeout 15 output
  exec-timeout 15 0
  login authentication RETAIL
  speed 115200
line vty 0 4
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
scheduler interval 500
ntp clock-period 36027426
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

S-A2-MED-1/2#

S-A2-MED-3

S-A2-MED-3#sh run
Building configuration...

```
Current configuration : 8650 bytes
!
! Last configuration change at 02:34:20 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:34:21 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
```

```
service sequence-numbers
!
hostname S-A2-MED-3
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1308417408
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1308417408
  revocation-check none
  rsakeypair TP-self-signed-1308417408
!
!
crypto pki certificate chain TP-self-signed-1308417408
  certificate self-signed 01
    <removed> quit
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
```

```
!  
!  
!  
vlan internal allocation policy ascending  
!  
ip ssh time-out 30  
ip ssh authentication-retries 2  
ip ssh version 2  
ip scp server enable  
!  
!  
interface FastEthernet0/1  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/2  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/3  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/4  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/5  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/6  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/7  
  switchport access vlan 17  
  shutdown  
!  
interface FastEthernet0/8  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet0/1  
  shutdown  
!  
interface GigabitEthernet0/2  
!  
interface Vlan1  
  no ip address  
!  
interface Vlan1000  
  description Management VLAN for Switch  
  ip address 10.10.127.13 255.255.255.0  
!  
ip default-gateway 10.10.127.1  
ip classless  
no ip forward-protocol nd  
no ip http server  
ip http access-class 23  
ip http authentication aaa login-authentication RETAIL  
ip http secure-server  
ip http secure-ciphersuite 3des-edc-cbc-sha  
ip http timeout-policy idle 60 life 86400 requests 10000
```

```

ip tacacs source-interface Vlan1000
!
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFFF.FFFFFFFFF.FFFFFFFFF.FFFFFFFFFOF
snmp-server trap-source Vlan1000
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
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```



```

ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
*
***** AUTHORIZED USERS ONLY! *****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO ADMINISTRATOR OR OTHETIME WITHOUT
FU L
NFORCEMENT OFFICIAL NDPRSETHO OF STATEAND FEER^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
  session-timeout 15  output
  exec-timeout 15 0
  login authentication RETAIL
  speed 115200
line vty 0 4
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
ntp clock-period 36028775
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

Small Branch

R-A2-SMALL

```

!
! Last configuration change at 00:44:15 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:44:16 PSTDST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone

```

```

service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname R-A2-Small-1
!
boot-start-marker
boot system flash0 c2900-universalk9-mz.SPA.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PSTDST recurring
!
no ipv6 cef
ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip ips notify SDEE
ip ips name Retail-PCI
!
ip ips signature-category
    category all
    retired true
    category ios_ips default
    retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log

```

```

login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect global
  WAAS enable
parameter-map type inspect Inspect-1
  audit-trail on

parameter-map type trend-global trend-glob-map
!
!
!
!
password encryption aes
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-503450500
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-503450500
  revocation-check none
  rsakeypair TP-self-signed-503450500
!
!
crypto pki certificate chain TP-self-signed-503450500
  certificate self-signed 01
    <removed>
  quit
voice-card 0
!
!
!
!
!
!
!
license udi pid CISCO2921/K9 sn <removed>
hw-module ism 0
!
hw-module sm 1
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
object-group network ActiveDirectory.cisco-irn.com
  host 192.168.42.130
!
object-group service CAPWAP
  description CAPWAP UDP ports 5246 and 5247
  udp eq 5246
  udp eq 5247
!
object-group service CISCO-WAAS
  description Ports for Cisco WAAS
  tcp eq 4050
!
object-group network DC-ALL
  description All of the Data Center
  192.168.0.0 255.255.0.0
!

```

```

object-group network Stores-ALL
  description all store networks
  10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_68719541425
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network WCSManager
  description Wireless Manager
  host 192.168.43.135
!
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  host 192.168.43.21
  host 192.168.43.22
!
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  host 192.168.43.31
  host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_68719541431
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
  host 192.168.44.111
!
object-group network MSP-DC-1
  description Data Center VSOM
  host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_68719541435
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object PAME-DC-1
  group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_68719541457
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541461
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541465
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network EMC-NCM
  description EMC Network Configuration Manager
  host 192.168.42.122
!
object-group network RSA-enVision
  description RSA EnVision Syslog collector and SIM
  host 192.168.42.124
!

```

```

object-group network CSM_INLINE_dst_rule_73014451187
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object EMC-NCM
  group-object RSA-enVision
!
object-group network TACACS
  description Csico Secure ACS server for TACACS and Radius
  host 192.168.42.131
!
object-group network RSA-AM
  description RSA Authentication Manager for SecureID
  host 192.168.42.137
!
object-group network NAC-1
  description ISE server for NAC
  host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_73014451193
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object ActiveDirectory.cisco-irn.com
  group-object TACACS
  group-object RSA-AM
  group-object NAC-1
!
object-group network NAC-2
  host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_73014451223
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object NAC-2
  group-object NAC-1
!
object-group network DC-Admin
  description DC Admin Systems
  host 192.168.41.101
  host 192.168.41.102
!
object-group network CSManager
  description Cisco Security Manager
  host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_68719541409
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-Admin
  group-object EMC-NCM
  group-object CSManager
!
object-group network CSM_INLINE_src_rule_68719541427
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_68719541429
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_68719541433
  description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object PAME-DC-1
  group-object MSP-DC-1
!
object-group network DC-WAAS

```

```

description WAE Appliances in Data Center
host 192.168.48.10
host 192.168.49.10
host 192.168.47.11
host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_68719541437
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-WAAS
!
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center
192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
description SAP POS Communication from Store to Data Center
192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
description Oracle POS Communication from Store to Data Center
192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_73014451215
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_73014451217
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group service CSM_INLINE_svc_rule_68719541409
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
!
object-group service CSM_INLINE_svc_rule_68719541425
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service CSM_INLINE_svc_rule_68719541427
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
udp eq 12222
udp eq 12223
!

```

```

object-group service TFTP
  description Trivial File Transfer
  tcp eq 69
  udp eq tftp
!
object-group service IP-Protocol-97
  description IP protocol 97
  97
!
object-group service CSM_INLINE_svc_rule_68719541429
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  tcp eq www
  tcp eq 22
  tcp eq telnet
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object TFTP
  group-object IP-Protocol-97
!
object-group service Cisco-Mobility
  description Mobility ports for Wireless
  udp eq 16666
  udp eq 16667
!
object-group service CSM_INLINE_svc_rule_68719541431
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object Cisco-Mobility
  group-object IP-Protocol-97
!
object-group service HTTPS-8443
  tcp eq 8443
!
object-group service Microsoft-DS-SMB
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
  tcp eq 445
!
object-group service CSM_INLINE_svc_rule_68719541437
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541439
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  tcp eq 139
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541455
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)

```

```

icmp
tcp-udp eq 5060
tcp eq 2000
tcp eq www
tcp eq 443
group-object TFTP
!
object-group service CSM_INLINE_svc_rule_68719541457
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp-udp eq 5060
tcp eq 2000
!
object-group service Netbios
description Netbios Servers
udp eq netbios-dgm
udp eq netbios-ns
tcp eq 139
!
object-group service ORACLE-SIM
description Oracle Store Inventory Management
tcp eq 7777
tcp eq 6003
tcp range 12401 12500
!
object-group service RDP
description Windows Remote Desktop
tcp eq 3389
!
object-group service Workbrain
tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_68719541459
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq ftp
tcp eq www
tcp eq 443
udp eq 88
tcp-udp eq 42
group-object Microsoft-DS-SMB
group-object Netbios
group-object ORACLE-SIM
group-object RDP
group-object Workbrain
!
object-group service CSM_INLINE_svc_rule_73014451187
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
udp eq syslog
udp eq snmp
udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_73014451193
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq tacacs
udp eq 1812
udp eq 1813
tcp eq 389
tcp eq 636
!
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts

```



```

tcp eq 5989
tcp eq 8000
tcp eq 902
tcp eq 903
!
object-group service CSM_INLINE_svc_rule_73014451195
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www
tcp eq 443
tcp eq 22
group-object vCenter-to-ESX4
!
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
udp eq 427
tcp eq 427
!
object-group service CSM_INLINE_svc_rule_73014451197
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
group-object vCenter-to-ESX4
group-object ESX-SLP
!
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
tcp range 1300 1319
!
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
tcp eq 7001
tcp eq 7002
tcp eq 1521
!
object-group service ORACLE-WAS
description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
tcp eq 2809
tcp eq 9443
tcp eq 1414
!
object-group service ORACLE-OAS
description OAS uses one port for HTTP and RMI - 12601.
tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_73014451203
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451205
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS

```

```

!
object-group service CSM_INLINE_svc_rule_73014451207
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451209
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  tcp eq 22
  group-object HTTPS-8443
!
object-group service TOMAX-8990
  description Tomax Application Port
  tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_73014451211
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_73014451213
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service ICMP-Requests
  description ICMP requests
  icmp information-request
  icmp mask-request
  icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_73014451215
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_73014451217
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service DNS-Resolving
  description Domain Name Server
  tcp eq domain
  udp eq domain
!

```

```

object-group service CSM_INLINE_svc_rule_73014451221
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  udp eq bootps
  group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_73014451223
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451388
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  tcp eq 139
  group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_73014451393
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
!
object-group service CSM_INLINE_svc_rule_73014451395
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451397
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  udp
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451404
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451406
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
!
object-group network DC-Applications
  description Applications in the Data Center that are non-PCI related(Optimized by
  CS-Manager)
  192.168.180.0 255.255.254.0
!
object-group network DC-Voice
  description Data Center Voice

```

```

192.168.45.0 255.255.255.0
!
object-group network MS-Update
description Windows Update Server
host 192.168.42.150
!
object-group network MExchange
description Mail Server
host 192.168.42.140
!
object-group service NTP
description NTP Protocols
tcp eq 123
udp eq ntp
!
object-group network NTP-Servers
description NTP Servers
host 192.168.62.161
host 162.168.62.162
!
object-group network POS-Store-SMALL-1
description Small Store POS devices
host 10.10.128.81
host 10.10.128.82
!
object-group network STORE-POS
group-object POS-Store-SMALL-1
!
object-group network vSphere-1
description vSphere server for Lab
host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed> username bmcgloth privilege 15 secret 5
<removed>
username csmadmin privilege 15 secret 5 <removed>
!
redundancy
!
!
!
!
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
match protocol http
match protocol https
match protocol microsoft-ds
match protocol ms-sql
match protocol ms-sql-m
match protocol netbios-dgm
match protocol netbios-ns
match protocol oracle
match protocol oracle-em-vp
match protocol oraclenames
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
match access-group name CSM_ZBF_CMAP_ACL_10
match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
match protocol http

```

```
match protocol https
match protocol isakmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
match access-group name CSM_ZBF_CMAP_ACL_23
match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
match access-group name CSM_ZBF_CMAP_ACL_32
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
match access-group name CSM_ZBF_CMAP_ACL_11
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
match access-group name CSM_ZBF_CMAP_ACL_22
match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
match protocol http
match protocol https
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
match access-group name CSM_ZBF_CMAP_ACL_33
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tftp
match protocol http
match protocol https
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
match access-group name CSM_ZBF_CMAP_ACL_12
match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
match protocol http
match protocol https
match protocol netbios-ns
match protocol netbios-dgm
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
match access-group name CSM_ZBF_CMAP_ACL_21
match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
match protocol http
match protocol https
match protocol imap3
match protocol pop3
match protocol pop3s
match protocol smtp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
match access-group name CSM_ZBF_CMAP_ACL_30
```

```

    match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
    match protocol syslog
    match protocol syslog-conn
    match protocol snmp
    match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
    match access-group name CSM_ZBF_CMAP_ACL_13
    match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
    match access-group name CSM_ZBF_CMAP_ACL_20
    match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
    match protocol http
    match protocol https
    match protocol netbios-dgm
    match protocol netbios-ns
    match protocol netbios-ssn
    match protocol ftp
    match protocol ssh
    match protocol tcp
    match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
    match access-group name CSM_ZBF_CMAP_ACL_31
    match class-map CSM_ZBF_CMAP_PLMAP_20
class-map match-all BRANCH-BULK-DATA
    match protocol tftp
    match protocol nfs
    match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
    match protocol ldaps
    match protocol ldap
    match protocol ldap-admin
    match protocol radius
    match protocol tacacs
    match protocol tacacs-ds
    match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
    match access-group name CSM_ZBF_CMAP_ACL_14
    match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
    match protocol http
    match protocol https
    match protocol udp
    match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
    match access-group name CSM_ZBF_CMAP_ACL_27
    match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
    match protocol sip
    match protocol sip-tls
    match protocol skinny
    match protocol tcp
    match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
    match access-group name CSM_ZBF_CMAP_ACL_36
    match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
    match protocol ntp
    match protocol tcp
    match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
    match access-group name CSM_ZBF_CMAP_ACL_15
    match class-map CSM_ZBF_CMAP_PLMAP_11

```

```
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
  match access-group name CSM_ZBF_CMAP_ACL_26
  match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
  match protocol bootpc
  match protocol bootps
  match protocol udp
  match protocol tcp
  match protocol dns
  match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
  match access-group name CSM_ZBF_CMAP_ACL_16
  match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
  match access-group name CSM_ZBF_CMAP_ACL_25
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
  match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
  match access-group name CSM_ZBF_CMAP_ACL_17
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
  match access-group name CSM_ZBF_CMAP_ACL_24
  match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
  match protocol tcp
  match protocol udp
  match protocol http
  match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
  match access-group name CSM_ZBF_CMAP_ACL_35
  match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
  match protocol https
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
  match access-group name CSM_ZBF_CMAP_ACL_18
  match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
  match protocol http
  match protocol https
  match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
  match access-group name CSM_ZBF_CMAP_ACL_19
  match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
  match access-group name CSM_ZBF_CMAP_ACL_29
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
  match protocol http
  match protocol https
  match protocol icmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
  match access-group name CSM_ZBF_CMAP_ACL_28
  match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
  match protocol https
  match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
  match access-group name CSM_ZBF_CMAP_ACL_1
  match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
```

```

match access-group name CSM_ZBF_CMAP_ACL_3
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
match protocol https
match protocol http
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
match access-group name CSM_ZBF_CMAP_ACL_2
match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
match access-group name CSM_ZBF_CMAP_ACL_5
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
match protocol http
match protocol https
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
match access-group name CSM_ZBF_CMAP_ACL_4
match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
match access-group name CSM_ZBF_CMAP_ACL_7
match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
match access-group name CSM_ZBF_CMAP_ACL_6
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
match access-group name CSM_ZBF_CMAP_ACL_9
match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
match protocol http
match protocol https
match protocol ssh
match protocol telnet
match protocol tftp
match protocol isakmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
match access-group name CSM_ZBF_CMAP_ACL_8
match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
match protocol citrix
match protocol ldap
match protocol telnet
match protocol sqlnet
match protocol http url "*SalesReport*"
match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
match ip dscp 25
class-map match-any BRANCH-NET-MGMT
match protocol snmp
match protocol syslog
match protocol dns
match protocol icmp

```



```
match protocol ssh
match access-group name NET-MGMT-APPS
class-map match-all ROUTING
  match ip dscp cs6
class-map match-all SCAVENGER
  match ip dscp cs1
class-map match-all NET-MGMT
  match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
  match protocol gnutella
  match protocol fasttrack
  match protocol kazaa2
class-map match-any CALL-SIGNALING
  match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
  match ip dscp af21 af22
!
!
policy-map BRANCH-LAN-EDGE-OUT
  class class-default
policy-map BRANCH-WAN-EDGE
  class VOICE
    priority percent 18
  class INTERACTIVE-VIDEO
    priority percent 15
  class CALL-SIGNALING
    bandwidth percent 5
  class ROUTING
    bandwidth percent 3
  class NET-MGMT
    bandwidth percent 2
  class MISSION-CRITICAL-DATA
    bandwidth percent 15
    random-detect
  class TRANSACTIONAL-DATA
    bandwidth percent 12
    random-detect dscp-based
  class BULK-DATA
    bandwidth percent 4
    random-detect dscp-based
  class SCAVENGER
    bandwidth percent 1
  class class-default
    bandwidth percent 25
    random-detect
policy-map type inspect CSM_ZBF_POLICY_MAP_18
  class type inspect CSM_ZBF_CLASS_MAP_28
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
  class type inspect CSM_ZBF_CLASS_MAP_15
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_29
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_30
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_31
```

```

inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
class type inspect CSM_ZBF_CLASS_MAP_24
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_25
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
class type inspect CSM_ZBF_CLASS_MAP_25
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_15
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_23
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1

```

```
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_21
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_30
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_34
drop log
class type inspect CSM_ZBF_CLASS_MAP_35
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_21
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
drop log
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_36
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_9
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_12
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
class type inspect CSM_ZBF_CLASS_MAP_9
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_10
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_11
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_8

```

```

inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_7
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_5
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_4
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_2
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop
policy-map BRANCH-LAN-EDGE-IN
class BRANCH-MISSION-CRITICAL
set ip dscp 25
class BRANCH-TRANSACTIONAL-DATA
set ip dscp af21
class BRANCH-NET-MGMT
set ip dscp cs2
class BRANCH-BULK-DATA
set ip dscp af11
class BRANCH-SCAVENGER
set ip dscp cs1
!
zone security S_WAN
description Store WAN Link
zone security LOOPBACK
description Loopback interface
zone security S_MGMT
description VLAN1000 Management
zone security S_Security
description VLAN20 Physical Security Systems
zone security S_WAAS
description VLAN19 WAAS optimization
zone security S_WLC-AP

```

```

description VLAN18 Wireless Systems
zone security S_Data
  description VLAN12 Store Data
zone security S_Data-W
  description VLAN14 Store Wireless Data
zone security S_Guest
  description VLAN17 Guest/Public Wireless
zone security S_Voice
  description VLAN13 Store Voice
zone security S_Partners
  description VLAN16 Partner network
zone security S_POS
  description VLAN 11 POS Data
zone security S_POS-W
  description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
  service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
  service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
  service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
  service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
  service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
  service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data

```

```

service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_22
!
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.142.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto

```

```

!
interface GigabitEthernet0/0.11
  description POS
  encapsulation dot1Q 11
  ip address 10.10.128.2 255.255.255.0
  ip helper-address 192.168.42.130
  ip pim sparse-dense-mode
  zone-member security S_POS
  standby 11 ip 10.10.128.1
  standby 11 priority 101
  standby 11 preempt
  ip igmp query-interval 125
  service-policy input BRANCH-LAN-EDGE-IN
  service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.12
  description DATA
  encapsulation dot1Q 12
  ip address 10.10.129.2 255.255.255.0
  ip helper-address 192.168.42.130
  ip wccp 61 redirect in
  ip pim sparse-dense-mode
  zone-member security S_Data
  standby 12 ip 10.10.129.1
  standby 12 priority 101
  standby 12 preempt
  service-policy input BRANCH-LAN-EDGE-IN
  service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.13
  description VOICE
  encapsulation dot1Q 13
  ip address 10.10.130.2 255.255.255.0
  ip helper-address 192.168.42.130
  ip pim sparse-dense-mode
  zone-member security S_Voice
  standby 13 ip 10.10.130.1
  standby 13 priority 101
  standby 13 preempt
  service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.14
  description WIRELESS
  encapsulation dot1Q 14
  ip address 10.10.131.2 255.255.255.0
  ip helper-address 192.168.42.130
  zone-member security S_Data-W
  standby 14 ip 10.10.131.1
  standby 14 priority 101
  standby 14 preempt
  service-policy input BRANCH-LAN-EDGE-IN
  service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.15
  description WIRELESS-POS
  encapsulation dot1Q 15
  ip address 10.10.132.2 255.255.255.0
  ip helper-address 192.168.42.130
  zone-member security S_POS-W
  standby 15 ip 10.10.132.1
  standby 15 priority 101
  standby 15 preempt
  service-policy input BRANCH-LAN-EDGE-IN
  service-policy output BRANCH-LAN-EDGE-OUT

```



```
!  
interface GigabitEthernet0/0.16  
  description PARTNER  
  encapsulation dot1Q 16  
  ip address 10.10.133.2 255.255.255.0  
  ip helper-address 192.168.42.130  
  zone-member security S_Partners  
  standby 16 ip 10.10.133.1  
  standby 16 priority 101  
  standby 16 preempt  
  service-policy input BRANCH-LAN-EDGE-IN  
  service-policy output BRANCH-LAN-EDGE-OUT  
!  
interface GigabitEthernet0/0.17  
  description WIRELESS-GUEST  
  encapsulation dot1Q 17  
  ip address 10.10.134.2 255.255.255.0  
  ip helper-address 192.168.42.130  
  zone-member security S_Guest  
  standby 17 ip 10.10.134.1  
  standby 17 priority 101  
  standby 17 preempt  
  service-policy input BRANCH-LAN-EDGE-IN  
  service-policy output BRANCH-LAN-EDGE-OUT  
!  
interface GigabitEthernet0/0.18  
  description WIRELESS-CONTROL  
  encapsulation dot1Q 18  
  ip address 10.10.135.2 255.255.255.0  
  ip helper-address 192.168.42.130  
  zone-member security S_WLC-AP  
  standby 18 ip 10.10.135.1  
  standby 18 priority 101  
  standby 18 preempt  
  service-policy input BRANCH-LAN-EDGE-IN  
  service-policy output BRANCH-LAN-EDGE-OUT  
!  
interface GigabitEthernet0/0.19  
  description WAAS  
  encapsulation dot1Q 19  
  ip address 10.10.136.2 255.255.255.0  
  ip helper-address 192.168.42.130  
  zone-member security S_WAAS  
  standby 19 ip 10.10.136.1  
  standby 19 priority 101  
  standby 19 preempt  
  service-policy input BRANCH-LAN-EDGE-IN  
  service-policy output BRANCH-LAN-EDGE-OUT  
!  
interface GigabitEthernet0/0.20  
  description SECURITY-SYSTEMS  
  encapsulation dot1Q 20  
  ip address 10.10.137.2 255.255.255.0  
  ip helper-address 192.168.42.130  
  ip pim sparse-dense-mode  
  zone-member security S_Security  
  standby 20 ip 10.10.137.1  
  standby 20 priority 101  
  standby 20 preempt  
  service-policy output BRANCH-LAN-EDGE-OUT  
!  
interface GigabitEthernet0/0.1000  
  description MANAGEMENT  
  encapsulation dot1Q 1000
```

```

ip address 10.10.143.2 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.143.1
standby 100 priority 101
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface ISM0/0
no ip address
shutdown
!Application: Online on SME
hold-queue 60 out
!
interface GigabitEthernet0/1
ip address 10.10.255.128 255.255.255.0
ip ips Retail-PCI in
zone-member security S_WAN
duplex auto
speed auto
service-policy output BRANCH-WAN-EDGE
!
interface GigabitEthernet0/2
ip address 10.10.254.128 255.255.255.0
ip ips Retail-PCI in
zone-member security S_WAN
duplex auto
speed auto
service-policy output BRANCH-WAN-EDGE
!
interface ISM0/1
description Internal switch interface connected to Internal Service Module
shutdown
!
interface SM1/0
no ip address
zone-member security S_Security
shutdown
service-module fail-open
hold-queue 60 out
!
interface SM1/1
description Internal switch interface connected to Service Module
!
interface Vlan1
no ip address
zone-member security S_POS
!
!
router ospf 5
router-id 10.10.142.1
passive-interface default
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip route 0.0.0.0 0.0.0.0 10.10.254.11 50

```

```

ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
  remark ---File Transfer---
  permit tcp any any eq ftp
  permit tcp any any eq ftp-data
  remark ---E-mail traffic---
  permit tcp any any eq smtp
  permit tcp any any eq pop3
  permit tcp any any eq 143
  remark ---other EDM app protocols---
  permit tcp any any range 3460 3466
  permit tcp any range 3460 3466 any
  remark ---messaging services---
  permit tcp any any eq 2980
  permit tcp any eq 2980 any
  remark ---Microsoft file services---
  permit tcp any any range 137 139
  permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
  remark Data Center Mgmt to Devices
  permit object-group CSM_INLINE_svc_rule_68719541409 object-group
CSM_INLINE_src_rule_68719541409 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451205 object-group DC-POS-Oracle
object-group STORE-POS
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451209 object-group DC-POS-SAP object-group
STORE-POS
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451213 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451215 object-group
CSM_INLINE_src_rule_73014451215 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
  remark Data Center VOICE (wired and Wireless)
  permit object-group CSM_INLINE_svc_rule_68719541455 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
  remark Syslog and SNMP Alerts
  permit object-group CSM_INLINE_svc_rule_73014451187 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451187
ip access-list extended CSM_ZBF_CMAP_ACL_14
  remark Store to Data Center Authentications
  permit object-group CSM_INLINE_svc_rule_73014451193 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451193
ip access-list extended CSM_ZBF_CMAP_ACL_15
  remark Store to Data Center for NTP
  permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_16
  remark Store to Data Center for DHCP and DNS
  permit object-group CSM_INLINE_svc_rule_73014451221 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_17
  remark Permit ICMP traffic
  permit object-group CSM_INLINE_svc_rule_68719541425 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541425
ip access-list extended CSM_ZBF_CMAP_ACL_18
  remark Store UCS E-series server to Data Center vSphere
  permit object-group CSM_INLINE_svc_rule_73014451197 object-group Stores-ALL object-group
vSphere-1

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_19
  remark Store NAC
  permit object-group CSM_INLINE_svc_rule_73014451223 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451223
ip access-list extended CSM_ZBF_CMAP_ACL_2
  remark Data Center subscribe to IPS SDEE events
  permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
  remark Store to Data Center Physical Security
  permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541435
ip access-list extended CSM_ZBF_CMAP_ACL_21
  remark Store WAAS (WAAS Devices need their own zone)
  permit object-group CSM_INLINE_svc_rule_68719541439 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_22
  remark Store WAAS to Clients and Servers
  permit object-group CSM_INLINE_svc_rule_73014451388 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_23
  remark Store to Data Center wireless controller traffic
  permit object-group CSM_INLINE_svc_rule_68719541431 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541431
ip access-list extended CSM_ZBF_CMAP_ACL_24
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451203 object-group STORE-POS object-group
DC-POS-Oracle
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451207 object-group STORE-POS object-group
DC-POS-SAP
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451211 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_25
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451217 object-group
CSM_INLINE_src_rule_73014451217 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_26
  remark Store to Data Center for E-mail
  permit object-group CSM_INLINE_svc_rule_73014451393 object-group STORE-POS object-group
MSEExchange
ip access-list extended CSM_ZBF_CMAP_ACL_27
  remark Store to Data Center for Windows Updates
  permit object-group CSM_INLINE_svc_rule_73014451395 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
  remark Permit POS clients to talk to store POS server
  permit object-group CSM_INLINE_svc_rule_73014451397 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_29
  remark Store to Data Center for Windows Updates
  permit object-group CSM_INLINE_svc_rule_73014451404 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
  remark Permit ICMP traffic
  permit object-group CSM_INLINE_svc_rule_68719541427 object-group
CSM_INLINE_src_rule_68719541427 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
  remark Store to Data Center for E-mail
  permit object-group CSM_INLINE_svc_rule_73014451406 object-group Stores-ALL object-group
MSEExchange
ip access-list extended CSM_ZBF_CMAP_ACL_31
  remark Store DATA (wired and Wireless - Access to DC Other applications)
  permit object-group CSM_INLINE_svc_rule_68719541459 object-group Stores-ALL object-group
DC-Applications

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_32
  remark Store GUEST - Drop Traffic to Enterprise
  permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541465
ip access-list extended CSM_ZBF_CMAP_ACL_33
  remark Store GUEST (access to internet/DMZ web servers)
  permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
  remark Store PARTNERS - Drop Traffic to Enterprise
  permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541461
ip access-list extended CSM_ZBF_CMAP_ACL_35
  remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
  permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
  remark Store VOICE (wired and Wireless - Access to corporate wide voice)
  permit object-group CSM_INLINE_svc_rule_68719541457 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541457
ip access-list extended CSM_ZBF_CMAP_ACL_4
  remark Data Center vSphere to UCS E-series server
  permit object-group CSM_INLINE_svc_rule_73014451195 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
  remark Data Center to Store Physical Security
  permit ip object-group CSM_INLINE_src_rule_68719541433 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
  remark Data Center Mgmt to Devices
  permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
  remark Data Center WAAS to Store
  permit object-group CSM_INLINE_svc_rule_68719541437 object-group
CSM_INLINE_src_rule_68719541437 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
  remark Data Center Wireless Control to AP's and Controllers in stores
  permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
  remark Data Center Mgmt to Devices
  permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
  remark ---POS Applications---
  permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
  remark - Router user Authentication - Identifies TACACS Control traffic
  permit tcp any any eq tacacs
  permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
  remark --Workbrain Application--
  remark --Large Store Clock Server to Central Clock Application
  permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
  remark --Large store Clock Server to CUAE
  permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
  remark ---LiteScape Application---
  permit ip any host 192.168.46.82
  permit ip any 239.192.0.0 0.0.0.255
  permit ip any host 239.255.255.250
  remark ---Remote Desktop---
  permit tcp any any eq 3389
  permit tcp any eq 3389 any
  remark ---Oracle SIM---
  permit tcp any 192.168.46.0 0.0.0.255 eq 7777
  permit tcp any 192.168.46.0 0.0.0.255 eq 6003
  permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
  permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
  permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
  permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any

```

```

!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
!
!
!
mgcp profile default
!
!
!
!
!
gatekeeper

```

```

shutdown
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1 output
 exec-timeout 0 1
 privilege level 0
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none
 stopbits 1
 flowcontrol software
line 131
 no activation-character
 no exec
 transport preferred none
 transport input ssh
 transport output none

```

```

stopbits 1
flowcontrol software
line vty 0 4
session-timeout 15 output
access-class 23 in
exec-timeout 15 0
logging synchronous
login authentication RETAIL
transport preferred none
transport input ssh
transport output none
line vty 5 15
session-timeout 15 output
access-class 23 in
exec-timeout 15 0
logging synchronous
login authentication RETAIL
transport preferred none
transport input ssh
transport output none
!
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

S-A2-SMALL

```

S-A2-Small-1#sh run
Building configuration...

Current configuration : 16143 bytes
!
! Last configuration change at 02:23:14 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:23:18 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
!
hostname S-A2-Small-1
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed> username emc-ncm privilege 15 secret 5
<removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!

```



```

aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
switch 1 provision ws-c2960s-48fps-1
switch 2 provision ws-c2960s-48fps-1
authentication mac-move permit
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1383908352
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1383908352
  revocation-check none
  rsakeypair TP-self-signed-1383908352
!
!
crypto pki certificate chain TP-self-signed-1383908352
  certificate self-signed 01
    30820252 308201BB A0030201 02020101 300D0609 2A864886 F70D0101 04050030
    31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 31333833 39303833 3532301E 170D3131 30343232 30333331
    35375A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
    4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D31 33383339
    30383335 3230819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
    8100BD50 C6915FE3 A1789C0E 11A0BABD EC2528DB 3F8FBCF6 64D90C72 AD2D2A13
    A012AB72 F5F9EEDE 4E77EDA9 D3CE6985 BA2246A1 21FF6D61 B8FFC558 331CD608
    DB59F546 838396C6 29266AF9 6B968127 75A7CE55 6D0B3734 0454EA42 24E9C995
    1AC5D0C3 0850D703 F58A2E82 6FB13D8D 372F03D8 A5B2B577 CDB7A9D5 7AFC40B6
    B26B0203 010001A3 7A307830 0F060355 1D130101 FF040530 030101FF 30250603
    551D1104 1E301C82 1A532D41 322D536D 616C6C2D 312E6369 73636F2D 69726E2E
    636F6D30 1F060355 1D230418 30168014 107F4DD8 762989FE 887F813D 62A1D871
    C9A4D3D4 301D0603 551D0E04 16041410 7F4DD876 2989FE88 7F813D62 A1D871C9
    A4D3D430 0D06092A 864886F7 0D010104 05000381 810045BF 884709EE FA837D06
    262E65C8 865912B1 44D5DE7F 459A7DEF DAE3D94 B2D5A978 5CCF425E 1FED41CE
    2046BA9D 130DE1BD 4A7F3F99 B6AD32CA 3857A088 01083AAB 24557476 73F8AAC6
    634964A5 455F4DB2 AC36D64E EA2C71AD 296D82B6 CE1EDCCB 0724DB5D 0D332C10
    A17D5B1F E8926DC9 137519A1 521C9155 AF9AF52B 00BD
  quit
archive
  log config
  logging enable

```

```

    notify syslog contenttype plaintext
    hidekeys
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
spanning-tree extend system-id
!
!
!
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface FastEthernet0
no ip address
!
interface GigabitEthernet1/0/1
switchport mode trunk
!
interface GigabitEthernet1/0/2
switchport mode trunk
!
interface GigabitEthernet1/0/3
description IP Cameras - 4300
switchport access vlan 20
switchport mode access
!
interface GigabitEthernet1/0/4
description CPAM Gateway
switchport access vlan 20
!
interface GigabitEthernet1/0/5
switchport mode trunk
!
interface GigabitEthernet1/0/6
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/7
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/8
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/9
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/10
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/11
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/12
switchport access vlan 17

```

```
shutdown
!
interface GigabitEthernet1/0/13
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/14
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/15
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/16
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/17
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/18
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/19
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/20
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/21
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/22
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/23
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/24
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/25
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/26
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/27
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/28
switchport access vlan 17
```

```
shutdown
!
interface GigabitEthernet1/0/29
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/30
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/31
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/32
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/33
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/34
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/35
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/36
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/37
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/38
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/39
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/40
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/41
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/42
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/43
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/44
switchport access vlan 17
```

```
shutdown
!
interface GigabitEthernet1/0/45
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/46
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/47
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/48
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/49
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/50
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/51
switchport access vlan 17
shutdown
!
interface GigabitEthernet1/0/52
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/1
shutdown
!
interface GigabitEthernet2/0/2
shutdown
!
interface GigabitEthernet2/0/3
description Cisco7975 IP phone
switchport access vlan 11
switchport voice vlan 13
spanning-tree portfast
!
interface GigabitEthernet2/0/4
description AIR-CAP3502I
switchport trunk native vlan 18
switchport trunk allowed vlan 14-18
switchport mode trunk
!
interface GigabitEthernet2/0/5
description Cisco9971 IP phone
switchport access vlan 11
switchport voice vlan 13
spanning-tree portfast
!
interface GigabitEthernet2/0/6
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/7
switchport access vlan 17
```

```
shutdown
!
interface GigabitEthernet2/0/8
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/9
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/10
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/11
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/12
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/13
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/14
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/15
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/16
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/17
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/18
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/19
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/20
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/21
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/22
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/23
switchport access vlan 17
```

```
shutdown
!
interface GigabitEthernet2/0/24
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/25
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/26
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/27
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/28
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/29
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/30
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/31
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/32
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/33
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/34
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/35
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/36
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/37
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/38
switchport access vlan 17
shutdown
!
interface GigabitEthernet2/0/39
switchport access vlan 17
```

```

    shutdown
    !
interface GigabitEthernet2/0/40
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/41
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/42
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/43
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/44
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/45
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/46
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/47
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/48
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/49
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/50
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/51
    switchport access vlan 17
    shutdown
    !
interface GigabitEthernet2/0/52
    switchport access vlan 17
    shutdown
    !
interface Vlan1
    no ip address
    shutdown
    !
interface Vlan1000
    description Management VLAN for Switch
    ip address 10.10.143.11 255.255.255.0
    !
ip default-gateway 10.10.143.1
no ip http server

```



```

ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps energywise
snmp-server enable traps entity
snmp-server enable traps power-ethernet group 1-4
snmp-server enable traps power-ethernet police
snmp-server enable traps cpu threshold
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps errdisable
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
banner exec ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT

```

```
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^CC
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****
ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^CC
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
    session-timeout 15  output
    exec-timeout 15 0
    login authentication RETAIL
line vty 0 4
    session-timeout 15  output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
line vty 5 15
    session-timeout 15  output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
!
ntp clock-period 22518357
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

Mini Branch

R-A2-MINI-1

```
!  
! Last configuration change at 00:50:32 PST Sat Apr 30 2011 by retail  
! NVRAM config last updated at 00:50:35 PST Sat Apr 30 2011 by retail  
!  
version 15.1  
no service pad  
service tcp-keepalives-in  
service tcp-keepalives-out  
service timestamps debug datetime localtime show-timezone  
service timestamps log datetime msec localtime show-timezone year  
service password-encryption  
service sequence-numbers  
!  
hostname R-A2-Mini-1  
!  
boot-start-marker  
boot system flash0 c1900-universalk9-mz.SPA.151-3.T.bin  
boot-end-marker  
!  
!  
security authentication failure rate 2 log  
security passwords min-length 7  
logging buffered 50000  
no logging rate-limit  
enable secret 5 <removed>  
!  
aaa new-model  
!  
!  
aaa authentication login RETAIL group tacacs+ local  
aaa authentication enable default group tacacs+ enable  
aaa authorization exec default group tacacs+ if-authenticated  
aaa accounting update newinfo  
aaa accounting exec default  
    action-type start-stop  
    group tacacs+  
!  
aaa accounting commands 15 default  
    action-type start-stop  
    group tacacs+  
!  
aaa accounting system default  
    action-type start-stop  
    group tacacs+  
!  
!  
!  
!  
!  
aaa session-id common  
!  
clock timezone PST -8 0  
clock summer-time PST recurring  
service-module wlan-ap 0 bootimage autonomous  
!
```

```

no ipv6 cef
no ip source-route
ip cef
!
!
!
ip multicast-routing
!
!
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip port-map user-8443 port tcp 8443
ip inspect log drop-pkt
ip inspect audit-trail
ip ips config location flash0: retries 1 timeout 1
ip ips notify SDEE
ip ips name Store-IPS
!
ip ips signature-category
    category all
    retired true
    category ios_ips default
    retired false
!
ip wccp 61
ip wccp 62
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
multilink bundle-name authenticated
!
parameter-map type inspect Inspect-1
    audit-trail on
parameter-map type inspect global
    WAAS enable

parameter-map type trend-global trend-glob-map
password encryption aes
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-1721465088
    enrollment selfsigned
    subject-name cn=IOS-Self-Signed-Certificate-1721465088
    revocation-check none
    rsakeypair TP-self-signed-1721465088
!
!
crypto pki certificate chain TP-self-signed-1721465088
    certificate self-signed 01
        <removed>
    quit
license udi pid CISCO1941W-A/K9 sn <removed>
hw-module ism 0
!
!
!
archive
    log config
    logging enable
    notify syslog contenttype plaintext
    hidekeys

```

```
object-group network ActiveDirectory.cisco-irn.com
  host 192.168.42.130
!
object-group service CAPWAP
  description CAPWAP UDP ports 5246 and 5247
  udp eq 5246
  udp eq 5247
!
object-group service CISCO-WAAS
  description Ports for Cisco WAAS
  tcp eq 4050
!
object-group network DC-ALL
  description All of the Data Center
  192.168.0.0 255.255.0.0
!
object-group network Stores-ALL
  description all store networks
  10.10.0.0 255.255.0.0
!
object-group network CSM_INLINE_dst_rule_68719541425
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network WCSManager
  description Wireless Manager
  host 192.168.43.135
!
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  host 192.168.43.21
  host 192.168.43.22
!
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  host 192.168.43.31
  host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_68719541431
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
  host 192.168.44.111
!
object-group network MSP-DC-1
  description Data Center VSOM
  host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_68719541435
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object PAME-DC-1
  group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_68719541457
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
  group-object DC-ALL
  group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541461
  description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
```

```

group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541465
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network EMC-NCM
description EMC Network Configuration Manager
host 192.168.42.122
!
object-group network RSA-enVision
description RSA EnVision Syslog collector and SIM
host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_73014451187
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object EMC-NCM
group-object RSA-enVision
!
object-group network TACACS
description Cisco Secure ACS server for TACACS and Radius
host 192.168.42.131
!
object-group network RSA-AM
description RSA Authentication Manager for SecureID
host 192.168.42.137
!
object-group network NAC-1
description ISE server for NAC
host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_73014451193
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object ActiveDirectory.cisco-irn.com
group-object TACACS
group-object RSA-AM
group-object NAC-1
!
object-group network NAC-2
host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_73014451223
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object NAC-2
group-object NAC-1
!
object-group network DC-Admin
description DC Admin Systems
host 192.168.41.101
host 192.168.41.102
!
object-group network CSManager
description Cisco Security Manager
host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_68719541409
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object EMC-NCM
group-object CSManager
!
object-group network CSM_INLINE_src_rule_68719541427

```

```

description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_68719541429
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_68719541433
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!
object-group network DC-WAAS
description WAE Appliances in Data Center
host 192.168.48.10
host 192.168.49.10
host 192.168.47.11
host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_68719541437
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-WAAS
!
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center
192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
description SAP POS Communication from Store to Data Center
192.168.52.144 255.255.255.240
!
object-group network DC-POS-Oracle
description Oracle POS Communication from Store to Data Center
192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_73014451215
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_73014451217
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group service CSM_INLINE_svc_rule_68719541409
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
!
object-group service CSM_INLINE_svc_rule_68719541425
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply

```

```

    icmp traceroute
    icmp unreachable
!
object-group service CSM_INLINE_svc_rule_68719541427
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
!
object-group service LWAPP
  description LWAPP UDP ports 12222 and 12223
  udp eq 12222
  udp eq 12223
!
object-group service TFTP
  description Trivial File Transfer
  tcp eq 69
  udp eq tftp
!
object-group service IP-Protocol-97
  description IP protocol 97
  97
!
object-group service CSM_INLINE_svc_rule_68719541429
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  tcp eq www
  tcp eq 22
  tcp eq telnet
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object TFTP
  group-object IP-Protocol-97
!
object-group service Cisco-Mobility
  description Mobility ports for Wireless
  udp eq 16666
  udp eq 16667
!
object-group service CSM_INLINE_svc_rule_68719541431
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  udp eq isakmp
  group-object CAPWAP
  group-object LWAPP
  group-object Cisco-Mobility
  group-object IP-Protocol-97
!
object-group service HTTPS-8443
  tcp eq 8443
!
object-group service Microsoft-DS-SMB
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
  tcp eq 445
!
object-group service CSM_INLINE_svc_rule_68719541437
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  tcp eq 139

```



```

group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541439
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp
tcp eq 139
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541455
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp
tcp-udp eq 5060
tcp eq 2000
tcp eq www
tcp eq 443
group-object TFTP
!
object-group service CSM_INLINE_svc_rule_68719541457
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp-udp eq 5060
tcp eq 2000
!
object-group service Netbios
description Netbios Servers
udp eq netbios-dgm
udp eq netbios-ns
tcp eq 139
!
object-group service ORACLE-SIM
description Oracle Store Inventory Management
tcp eq 7777
tcp eq 6003
tcp range 12401 12500
!
object-group service RDP
description Windows Remote Desktop
tcp eq 3389
!
object-group service Workbrain
tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_68719541459
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq ftp
tcp eq www
tcp eq 443
udp eq 88
tcp-udp eq 42
group-object Microsoft-DS-SMB
group-object Netbios
group-object ORACLE-SIM
group-object RDP
group-object Workbrain
!
object-group service CSM_INLINE_svc_rule_73014451187

```

```

description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
udp eq syslog
udp eq snmp
udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_73014451193
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq tacacs
udp eq 1812
udp eq 1813
tcp eq 389
tcp eq 636
!
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts
tcp eq 5989
tcp eq 8000
tcp eq 902
tcp eq 903
!
object-group service CSM_INLINE_svc_rule_73014451195
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www
tcp eq 443
tcp eq 22
group-object vCenter-to-ESX4
!
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
udp eq 427
tcp eq 427
!
object-group service CSM_INLINE_svc_rule_73014451197
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
group-object vCenter-to-ESX4
group-object ESX-SLP
!
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
tcp range 1300 1319
!
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
tcp eq 7001
tcp eq 7002
tcp eq 1521
!
object-group service ORACLE-WAS
description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
tcp eq 2809
tcp eq 9443
tcp eq 1414
!
object-group service ORACLE-OAS
description OAS uses one port for HTTP and RMI - 12601.
tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_73014451203

```

```

description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451205
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451207
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451209
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object HTTPS-8443
!
object-group service TOMAX-8990
description Tomax Application Port
tcp eq 8990
!
object-group service CSM_INLINE_svc_rule_73014451211
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_73014451213
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
group-object TOMAX-8990
!
object-group service ICMP-Requests
description ICMP requests
icmp information-request
icmp mask-request
icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_73014451215
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
icmp redirect
icmp alternate-address

```

```

group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_73014451217
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
icmp redirect
icmp alternate-address
group-object ICMP-Requests
!
object-group service DNS-Resolving
description Domain Name Server
tcp eq domain
udp eq domain
!
object-group service CSM_INLINE_svc_rule_73014451221
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
udp eq bootps
group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_73014451223
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www
tcp eq 443
group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451388
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp
tcp eq 139
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_73014451393
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www
tcp eq 443
tcp eq smtp
tcp eq pop3
tcp eq 143
!
object-group service CSM_INLINE_svc_rule_73014451395
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451397
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp
udp
tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451404
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www

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```

    tcp eq 443
    !
object-group service CSM_INLINE_svc_rule_73014451406
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
  !
object-group network DC-Applications
  description Applications in the Data Center that are non-PCI related(Optimized by
  CS-Manager)
  192.168.180.0 255.255.254.0
  !
object-group network DC-Voice
  description Data Center Voice
  192.168.45.0 255.255.255.0
  !
object-group network MS-Update
  description Windows Update Server
  host 192.168.42.150
  !
object-group network MSExchange
  description Mail Server
  host 192.168.42.140
  !
object-group service NTP
  description NTP Protocols
  tcp eq 123
  udp eq ntp
  !
object-group network NTP-Servers
  description NTP Servers
  host 192.168.62.161
  host 162.168.62.162
  !
object-group network STORE-POS
  10.10.0.0 255.255.0.0
  !
object-group network vSphere-1
  description vSphere server for Lab
  host 192.168.41.102
  !
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
  !
  redundancy
  !
  !
  !
  !
  ip ssh time-out 30
  ip ssh authentication-retries 2
  ip ssh version 2
  ip scp server enable
  !
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
  match protocol http
  match protocol https
  match protocol microsoft-ds
  match protocol ms-sql

```

```

match protocol ms-sql-m
match protocol netbios-dgm
match protocol netbios-ns
match protocol oracle
match protocol oracle-em-vp
match protocol oraclenames
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
match access-group name CSM_ZBF_CMAP_ACL_10
match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
match protocol http
match protocol https
match protocol isakmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
match access-group name CSM_ZBF_CMAP_ACL_23
match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
match access-group name CSM_ZBF_CMAP_ACL_32
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
match access-group name CSM_ZBF_CMAP_ACL_11
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
match access-group name CSM_ZBF_CMAP_ACL_22
match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
match protocol http
match protocol https
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
match access-group name CSM_ZBF_CMAP_ACL_33
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tftp
match protocol http
match protocol https
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
match access-group name CSM_ZBF_CMAP_ACL_12
match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
match protocol http
match protocol https
match protocol netbios-ns
match protocol netbios-dgm
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21

```

```
match access-group name CSM_ZBF_CMAP_ACL_21
match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
match protocol http
match protocol https
match protocol imap3
match protocol pop3
match protocol pop3s
match protocol smtp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
match access-group name CSM_ZBF_CMAP_ACL_30
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
match protocol syslog
match protocol syslog-conn
match protocol snmp
match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
match access-group name CSM_ZBF_CMAP_ACL_13
match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
match access-group name CSM_ZBF_CMAP_ACL_20
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol ftp
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
match access-group name CSM_ZBF_CMAP_ACL_31
match class-map CSM_ZBF_CMAP_PLMAP_20
class-map match-all BRANCH-BULK-DATA
match protocol tftp
match protocol nfs
match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
match protocol ldaps
match protocol ldap
match protocol ldap-admin
match protocol radius
match protocol tacacs
match protocol tacacs-ds
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
match access-group name CSM_ZBF_CMAP_ACL_14
match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
match protocol http
match protocol https
match protocol udp
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
match access-group name CSM_ZBF_CMAP_ACL_27
match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
match protocol sip
match protocol sip-tls
```

```
match protocol skinny
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
match access-group name CSM_ZBF_CMAP_ACL_36
match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
match protocol ntp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
match access-group name CSM_ZBF_CMAP_ACL_15
match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
match access-group name CSM_ZBF_CMAP_ACL_26
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
match protocol bootpc
match protocol bootps
match protocol udp
match protocol tcp
match protocol dns
match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
match access-group name CSM_ZBF_CMAP_ACL_16
match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
match access-group name CSM_ZBF_CMAP_ACL_25
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
match access-group name CSM_ZBF_CMAP_ACL_17
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
match access-group name CSM_ZBF_CMAP_ACL_24
match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
match protocol tcp
match protocol udp
match protocol http
match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
match access-group name CSM_ZBF_CMAP_ACL_35
match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
match protocol https
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
match access-group name CSM_ZBF_CMAP_ACL_18
match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
match protocol http
match protocol https
match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
match access-group name CSM_ZBF_CMAP_ACL_19
match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
match access-group name CSM_ZBF_CMAP_ACL_29
match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
match protocol http
match protocol https
```



```

match protocol icmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
match access-group name CSM_ZBF_CMAP_ACL_28
match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
match protocol https
match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
match access-group name CSM_ZBF_CMAP_ACL_1
match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
match access-group name CSM_ZBF_CMAP_ACL_3
match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
match protocol https
match protocol http
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
match access-group name CSM_ZBF_CMAP_ACL_2
match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
match access-group name CSM_ZBF_CMAP_ACL_5
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
match protocol http
match protocol https
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
match access-group name CSM_ZBF_CMAP_ACL_4
match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
match access-group name CSM_ZBF_CMAP_ACL_7
match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
match access-group name CSM_ZBF_CMAP_ACL_6
match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
match access-group name CSM_ZBF_CMAP_ACL_9
match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
match protocol http
match protocol https
match protocol ssh
match protocol telnet
match protocol tftp
match protocol isakmp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
match access-group name CSM_ZBF_CMAP_ACL_8
match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
match protocol citrix
match protocol ldap
match protocol telnet
match protocol sqlnet

```

```

match protocol http url "**SalesReport*"
match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
match ip dscp 25
class-map match-any BRANCH-NET-MGMT
match protocol snmp
match protocol syslog
match protocol dns
match protocol icmp
match protocol ssh
match access-group name NET-MGMT-APPS
class-map match-all ROUTING
match ip dscp cs6
class-map match-all SCAVENGER
match ip dscp cs1
class-map match-all NET-MGMT
match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
match protocol gnutella
match protocol fasttrack
match protocol kazaa2
class-map match-any CALL-SIGNALING
match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
match ip dscp af21 af22
!
!
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS

```

```

class class-default
  drop log
policy-map type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
  class class-default
    drop log
policy-map BRANCH-LAN-EDGE-OUT
  class class-default
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
  class class-default
    drop log
policy-map BRANCH-WAN-EDGE
  class VOICE
    priority percent 18
  class INTERACTIVE-VIDEO
    priority percent 15
  class CALL-SIGNALING
    bandwidth percent 5
  class ROUTING
    bandwidth percent 3
  class NET-MGMT
    bandwidth percent 2
  class MISSION-CRITICAL-DATA
    bandwidth percent 15
    random-detect
  class TRANSACTIONAL-DATA
    bandwidth percent 12
    random-detect dscp-based
  class BULK-DATA
    bandwidth percent 4
    random-detect dscp-based
  class SCAVENGER
    bandwidth percent 1
  class class-default
    bandwidth percent 25
    random-detect
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_18
  class type inspect CSM_ZBF_CLASS_MAP_28
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
  class type inspect CSM_ZBF_CLASS_MAP_15
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_29
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_30
    inspect Inspect-1

```

```

class type inspect CSM_ZBF_CLASS_MAP_31
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
class type inspect CSM_ZBF_CLASS_MAP_24
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_25
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
class type inspect CSM_ZBF_CLASS_MAP_25
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_26
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_27
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14
class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_15
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_23
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16

```

```
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_21
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_30
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_34
drop log
class type inspect CSM_ZBF_CLASS_MAP_35
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_21
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
drop log
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_13
```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_36
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_9
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_12
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
class type inspect CSM_ZBF_CLASS_MAP_9
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_10
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_11
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1

```

```

class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_8
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_7
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_5
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_4
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_2
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_S_Partners_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS
class class-default
drop log
policy-map BRANCH-LAN-EDGE-IN
class BRANCH-MISSION-CRITICAL
set ip dscp 25
class BRANCH-TRANSACTIONAL-DATA
set ip dscp af21
class BRANCH-NET-MGMT
set ip dscp cs2

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```

class BRANCH-BULK-DATA
  set ip dscp af11
class BRANCH-SCAVENGER
  set ip dscp cs1
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
  class class-default
    drop log
!
zone security S_WAN
  description Store WAN Link
zone security LOOPBACK
  description Loopback interface
zone security S_MGMT
  description VLAN1000 Management
zone security S_Security
  description VLAN20 Physical Security Systems
zone security S_WAAS
  description VLAN19 WAAS optimization
zone security S_WLC-AP
  description VLAN18 Wireless Systems
zone security S_Data
  description VLAN12 Store Data
zone security S_Data-W
  description VLAN14 Store Wireless Data
zone security S_Guest
  description VLAN17 Guest/Public Wireless
zone security S_Voice
  description VLAN13 Store Voice
zone security S_Partners
  description VLAN16 Partner network
zone security S_POS
  description VLAN 11 POS Data
zone security S_POS-W
  description VLAN15 Store Wireless POS
zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
  service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
  service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
  service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
  service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
  service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
  service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
  service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
  service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
  service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS

```



```

service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17
zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_Partners_S_POS
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS

```

```

service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_22
!
!
!
!
!
!
interface Loopback0
 ip address 10.10.158.1 255.255.255.255
 ip pim sparse-dense-mode
 zone-member security LOOPBACK
!
interface GigabitEthernet0/0
 ip address 10.10.255.144 255.255.255.0
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_WAN
 duplex auto
 speed auto
 service-policy output BRANCH-WAN-EDGE
!
interface wlan-ap0
 description Service module interface to manage the embedded AP
 ip address 10.10.158.33 255.255.255.252
 zone-member security S_WLC-AP
 service-module ip address 10.10.158.34 255.255.255.252
 service-module ip default-gateway 10.10.158.33
 arp timeout 0
 no mop enabled
 no mop sysid
!
interface GigabitEthernet0/1
 description ROUTER LINK TO SWITCH
 no ip address
 duplex auto
 speed auto
!
interface GigabitEthernet0/1.11
 description POS
 encapsulation dot1Q 11
 ip address 10.10.144.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 ip ips Store-IPS in
 ip ips Store-IPS out
 zone-member security S_POS
 standby 11 ip 10.10.144.1
 standby 11 priority 101
 standby 11 preempt
 ip igmp query-interval 125
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.12
 description DATA
 encapsulation dot1Q 12
 ip address 10.10.145.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip wccp 61 redirect in

```

```
ip pim sparse-dense-mode
zone-member security S_Data
standby 12 ip 10.10.145.1
standby 12 priority 101
standby 12 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.13
description VOICE
encapsulation dot1Q 13
ip address 10.10.146.2 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Voice
standby 13 ip 10.10.146.1
standby 13 priority 101
standby 13 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.14
description WIRELESS
encapsulation dot1Q 14
ip address 10.10.147.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Data-W
standby 14 ip 10.10.147.1
standby 14 priority 101
standby 14 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.15
description WIRELESS-POS
encapsulation dot1Q 15
ip address 10.10.148.2 255.255.255.0
ip helper-address 192.168.42.130
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS-W
standby 15 ip 10.10.148.1
standby 15 priority 101
standby 15 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.16
description PARTNER
encapsulation dot1Q 16
ip address 10.10.149.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Partners
standby 16 ip 10.10.149.1
standby 16 priority 101
standby 16 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.17
description WIRELESS-GUEST
encapsulation dot1Q 17
ip address 10.10.150.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Guest
```

```

standby 17 ip 10.10.150.1
standby 17 priority 101
standby 17 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.18
description WIRELESS-CONTROL
encapsulation dot1Q 18
ip address 10.10.151.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WLC-AP
standby 18 ip 10.10.151.1
standby 18 priority 101
standby 18 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.19
description WAAS
encapsulation dot1Q 19
ip address 10.10.152.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WAAS
standby 19 ip 10.10.152.1
standby 19 priority 101
standby 19 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.20
zone-member security S_Security
service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.1000
description MANAGEMENT
encapsulation dot1Q 1000
ip address 10.10.159.2 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.159.1
standby 100 priority 101
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Wlan-GigabitEthernet0/0
description Internal switch interface connecting to the embedded AP
zone-member security S_WLC-AP
service-module ip address 10.10.158.34 255.255.255.252
service-module ip default-gateway 10.10.158.33
!
interface Vlan1
no ip address
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS
!
interface Vlan15
no ip address
zone-member security S_POS-W
!
interface Vlan1000
no ip address
zone-member security S_MGMT

```

```

!
router ospf 5
  router-id 10.10.158.1
  passive-interface default
!
no ip forward-protocol nd
!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
!
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
  remark ---File Transfer---
  permit tcp any any eq ftp
  permit tcp any any eq ftp-data
  remark ---E-mail traffic---
  permit tcp any any eq smtp
  permit tcp any any eq pop3
  permit tcp any any eq 143
  remark ---other EDM app protocols---
  permit tcp any any range 3460 3466
  permit tcp any range 3460 3466 any
  remark ---messaging services---
  permit tcp any any eq 2980
  permit tcp any eq 2980 any
  remark ---Microsoft file services---
  permit tcp any any range 137 139
  permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
  remark Data Center Mgmt to Devices
  permit object-group CSM_INLINE_svc_rule_68719541409 object-group
CSM_INLINE_src_rule_68719541409 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451205 object-group DC-POS-Oracle
object-group STORE-POS
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451209 object-group DC-POS-SAP object-group
STORE-POS
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451213 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451215 object-group
CSM_INLINE_src_rule_73014451215 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
  remark Data Center VOICE (wired and Wireless)
  permit object-group CSM_INLINE_svc_rule_68719541455 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
  remark Syslog and SNMP Alerts
  permit object-group CSM_INLINE_svc_rule_73014451187 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451187
ip access-list extended CSM_ZBF_CMAP_ACL_14
  remark Store to Data Center Authentications
  permit object-group CSM_INLINE_svc_rule_73014451193 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451193

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ip access-list extended CSM_ZBF_CMAP_ACL_15
  remark Store to Data Center for NTP
  permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_16
  remark Store to Data Center for DHCP and DNS
  permit object-group CSM_INLINE_svc_rule_73014451221 object-group Stores-ALL object-group
  ActiveDirectory.cisco-irn.com
ip access-list extended CSM_ZBF_CMAP_ACL_17
  remark Permit ICMP traffic
  permit object-group CSM_INLINE_svc_rule_68719541425 object-group Stores-ALL object-group
  CSM_INLINE_dst_rule_68719541425
ip access-list extended CSM_ZBF_CMAP_ACL_18
  remark Store UCS E-series server to Data Center vShphere
  permit object-group CSM_INLINE_svc_rule_73014451197 object-group Stores-ALL object-group
  vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_19
  remark Store NAC
  permit object-group CSM_INLINE_svc_rule_73014451223 object-group Stores-ALL object-group
  CSM_INLINE_dst_rule_73014451223
ip access-list extended CSM_ZBF_CMAP_ACL_2
  remark Data Center subscribe to IPS SDEE events
  permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
  remark Store to Data Center Physical Security
  permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541435
ip access-list extended CSM_ZBF_CMAP_ACL_21
  remark Store WAAS (WAAS Devices need their own zone)
  permit object-group CSM_INLINE_svc_rule_68719541439 object-group Stores-ALL object-group
  DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_22
  remark Store WAAS to Clients and Servers
  permit object-group CSM_INLINE_svc_rule_73014451388 object-group Stores-ALL object-group
  Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_23
  remark Store to Data Center wireless controller traffic
  permit object-group CSM_INLINE_svc_rule_68719541431 object-group Stores-ALL object-group
  CSM_INLINE_dst_rule_68719541431
ip access-list extended CSM_ZBF_CMAP_ACL_24
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451203 object-group STORE-POS object-group
  DC-POS-Oracle
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451207 object-group STORE-POS object-group
  DC-POS-SAP
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451211 object-group STORE-POS object-group
  DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_25
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451217 object-group
  CSM_INLINE_src_rule_73014451217 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_26
  remark Store to Data Center for E-mail
  permit object-group CSM_INLINE_svc_rule_73014451393 object-group STORE-POS object-group
  MExchange
ip access-list extended CSM_ZBF_CMAP_ACL_27
  remark Store to Data Center for Windows Updates
  permit object-group CSM_INLINE_svc_rule_73014451395 object-group STORE-POS object-group
  MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
  remark Permit POS clients to talk to store POS server
  permit object-group CSM_INLINE_svc_rule_73014451397 object-group STORE-POS object-group
  STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_29

```

```

    remark Store to Data Center for Windows Updates
    permit object-group CSM_INLINE_svc_rule_73014451404 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
    remark Permit ICMP traffic
    permit object-group CSM_INLINE_svc_rule_68719541427 object-group
CSM_INLINE_src_rule_68719541427 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
    remark Store to Data Center for E-mail
    permit object-group CSM_INLINE_svc_rule_73014451406 object-group Stores-ALL object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_31
    remark Store DATA (wired and Wireless - Access to DC Other applications)
    permit object-group CSM_INLINE_svc_rule_68719541459 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_32
    remark Store GUEST - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541465
ip access-list extended CSM_ZBF_CMAP_ACL_33
    remark Store GUEST (access to internet/DMZ web servers)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
    remark Store PARTNERS - Drop Traffic to Enterprise
    permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541461
ip access-list extended CSM_ZBF_CMAP_ACL_35
    remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
    permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
    remark Store VOICE (wired and Wireless - Access to corporate wide voice)
    permit object-group CSM_INLINE_svc_rule_68719541457 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541457
ip access-list extended CSM_ZBF_CMAP_ACL_4
    remark Data Center vSphere to UCS E-series server
    permit object-group CSM_INLINE_svc_rule_73014451195 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
    remark Data Center to Store Physical Security
    permit ip object-group CSM_INLINE_src_rule_68719541433 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
    remark Data Center Mgmt to Devices
    permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
    remark Data Center WAAS to Store
    permit object-group CSM_INLINE_svc_rule_68719541437 object-group
CSM_INLINE_src_rule_68719541437 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
    remark Data Center Wireless Control to AP's and Controllers in stores
    permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
    remark Data Center Mgmt to Devices
    permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
    remark ---POS Applications---
    permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
    remark - Router user Authentication - Identifies TACACS Control traffic
    permit tcp any any eq tacacs
    permit tcp any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
    remark ---Workbrain Application---
    remark --Large Store Clock Server to Central Clock Application
    permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
    remark --Large store Clock Server to CUAE

```

```

permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
remark ---LiteScape Application---
permit ip any host 192.168.46.82
permit ip any 239.192.0.0 0.0.0.255
permit ip any host 239.255.255.250
remark ---Remote Desktop---
permit tcp any any eq 3389
permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp any 192.168.46.0 0.0.0.255 eq 7777
permit tcp any 192.168.46.0 0.0.0.255 eq 6003
permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group causer v3 priv
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps flash insertion removal
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server enable traps ipsla
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request

```



```
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
!
banner exec C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner incoming C
WARNING:
**** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
**** AUTHORIZED USERS ONLY! ****

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TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITACCESS IS A
VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.

banner login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!

!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line aux 0
 session-timeout 1 output
 exec-timeout 0 1
 privilege level 0
 login authentication RETAIL
 no exec
 transport preferred none
 transport output none
line 67
 no activation-character
 no exec
 transport preferred none
 transport output none
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
```

```

line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
exception data-corruption buffer truncate
scheduler allocate 20000 1000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

S-A2-MINI-1

```

S-A2-Mini-1#sh run
Building configuration...

Current configuration : 9017 bytes
!
! Last configuration change at 02:15:02 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:15:04 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-Mini-1
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!

```

```
!  
aaa session-id common  
clock timezone PST -8  
clock summer-time PSTDST recurring  
system mtu routing 1500  
ip subnet-zero  
no ip source-route  
!  
!  
ip domain-name cisco-irn.com  
ip name-server 192.168.42.130  
login block-for 1800 attempts 6 within 1800  
login quiet-mode access-class 23  
login on-failure log  
login on-success log  
!  
password encryption aes  
!  
crypto pki trustpoint TP-self-signed-1919348736  
  enrollment selfsigned  
  subject-name cn=IOS-Self-Signed-Certificate-1919348736  
  revocation-check none  
  rsakeypair TP-self-signed-1919348736  
!  
!  
crypto pki certificate chain TP-self-signed-1919348736  
  certificate self-signed 01  
    <removed>  
  quit  
!  
!  
!  
!  
!  
archive  
  log config  
    logging enable  
    notify syslog contenttype plaintext  
    hidekeys  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
ip ssh time-out 30  
ip ssh authentication-retries 2  
ip ssh version 2  
ip scp server enable  
!  
!  
interface GigabitEthernet0/1  
  switchport mode trunk  
!  
interface GigabitEthernet0/2  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet0/3  
  switchport access vlan 17  
  shutdown  
!  
interface GigabitEthernet0/4  
  switchport access vlan 17  
  shutdown
```

```

!
interface GigabitEthernet0/5
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/6
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/7
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/8
  switchport mode trunk
!
interface Vlan1
  no ip address
  no ip route-cache
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.159.11 255.255.255.0
  no ip route-cache
!
ip default-gateway 10.10.159.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFFF.FFFFFFFFF.FFFFFFFFF.FFFFFFFFF
snmp-server trap-source Vlan1000
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete

```

```

snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps energywise
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
control-plane
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
            **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
            **** AUTHORIZED USERS ONLY! ****

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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
    session-timeout 15 output
    exec-timeout 15 0
    login authentication RETAIL
line vty 0 4
    session-timeout 15 output

```

```

access-class 23 in
exec-timeout 15 0
logging synchronous
login authentication RETAIL
transport preferred none
transport input ssh
transport output none
line vty 5 15
 session-timeout 15 output
access-class 23 in
exec-timeout 15 0
logging synchronous
login authentication RETAIL
transport preferred none
transport input ssh
transport output none
!
ntp clock-period 36028654
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

S-A2-MINI-2

```

S-A2-Mini-2#sh run
Building configuration...

Current configuration : 9094 bytes
!
! Last configuration change at 02:19:10 PST DST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:19:11 PST DST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-Mini-2
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated

```

```
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
!
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
ip subnet-zero
no ip source-route
!
!
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-1919334912
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-1919334912
  revocation-check none
  rsakeypair TP-self-signed-1919334912
!
!
crypto pki certificate chain TP-self-signed-1919334912
  certificate self-signed 01
    <removed>
  quit
!
!
!
!
!
archive
  log config
  logging enable
  notify syslog contenttype plaintext
  hidekeys
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
!
interface GigabitEthernet0/1
  description AIR-CAP3502E
  switchport trunk native vlan 18
  switchport trunk allowed vlan 14-18
  switchport mode trunk
!
interface GigabitEthernet0/2
  switchport access vlan 17
```

```

shutdown
!
interface GigabitEthernet0/3
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/4
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/5
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/6
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/7
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/8
  switchport mode trunk
!
interface Vlan1
  no ip address
  no ip route-cache
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.159.12 255.255.255.0
  no ip route-cache
!
ip default-gateway 10.10.159.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFFF.FFFFFFFFF.FFFFFFFFF.FFFFFFFFFOF
snmp-server trap-source Vlan1000

```



```

snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps energywise
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
!
control-plane
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:

```

```

THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
  session-timeout 15  output
  exec-timeout 15 0
  login authentication RETAIL
line vty 0 4
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
line vty 5 15
  session-timeout 15  output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
ntp clock-period 36028680
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

Convenience

R-A2-CONV-1

```

!
! Last configuration change at 00:53:21 PST Sat Apr 30 2011 by retail
! NVRAM config last updated at 00:53:22 PST Sat Apr 30 2011 by retail
!
version 15.1
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime msec localtime show-timezone year
service password-encryption
service sequence-numbers
no service password-recovery
!
hostname R-A2-Conv-1
!
boot-start-marker
boot system flash c890-universalk9-mz.151-3.T.bin
boot-end-marker
!
!
security authentication failure rate 2 log
security passwords min-length 7

```

```
logging buffered 50000
no logging rate-limit
enable secret 5 <removed>
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default
    action-type start-stop
    group tacacs+
!
aaa accounting commands 15 default
    action-type start-stop
    group tacacs+
!
aaa accounting system default
    action-type start-stop
    group tacacs+
!
!
!
!
!
aaa session-id common
!
clock timezone PST -8 0
clock summer-time PST recurring
service-module wlan-ap 0 bootimage autonomous
crypto pki token default removal timeout 0
!
crypto pki trustpoint TP-self-signed-479252603
    enrollment selfsigned
    subject-name cn=IOS-Self-Signed-Certificate-479252603
    revocation-check none
    rsakeypair TP-self-signed-479252603
!
!
crypto pki certificate chain TP-self-signed-479252603
    certificate self-signed 01
    <removed>
    quit
no ip source-route
!
!
!
!
!
ip cef
no ip bootp server
ip domain name cisco-irn.com
ip name-server 192.168.42.130
ip multicast-routing
ip port-map user-8443 port tcp 8443
ip ips config location flash: retries 1 timeout 1
ip ips name Store-IPS
!
ip ips signature-category
    category all
    retired true
```

```

        category ios_ips default
        retired false
    !
    ip inspect log drop-pkt
    ip inspect audit-trail
    ip wccp 61
    ip wccp 62
    login block-for 1800 attempts 6 within 1800
    login quiet-mode access-class 23
    login on-failure log
    login on-success log
    no ipv6 cef
    !
    multilink bundle-name authenticated
    parameter-map type inspect Inspect-1
        audit-trail on
    parameter-map type inspect global
        WAAS enable

    parameter-map type trend-global trend-glob-map
    password encryption aes
    license udi pid CISCO891W-AGN-N-K9 sn <removed>
    !
    !
    archive
        log config
        logging enable
        notify syslog contenttype plaintext
        hidekeys
    object-group network ActiveDirectory.cisco-irn.com
    host 192.168.42.130
    !
    object-group service CAPWAP
    description CAPWAP UDP ports 5246 and 5247
    udp eq 5246
    udp eq 5247
    !
    object-group service CISCO-WAAS
    description Ports for Cisco WAAS
    tcp eq 4050
    !
    object-group network DC-ALL
    description All of the Data Center
    192.168.0.0 255.255.0.0
    !
    object-group network Stores-ALL
    description all store networks
    10.10.0.0 255.255.0.0
    !
    object-group network CSM_INLINE_dst_rule_68719541425
    description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
    group-object DC-ALL
    group-object Stores-ALL
    !
    object-group network WCSManager
    description Wireless Manager
    host 192.168.43.135
    !
    object-group network DC-Wifi-Controllers
    description Central Wireless Controllers for stores
    host 192.168.43.21
    host 192.168.43.22
    !
    object-group network DC-Wifi-MSE

```

```

description Mobility Service Engines
host 192.168.43.31
host 192.168.43.32
!
object-group network CSM_INLINE_dst_rule_68719541431
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network PAME-DC-1
host 192.168.44.111
!
object-group network MSP-DC-1
description Data Center VSOM
host 192.168.44.121
!
object-group network CSM_INLINE_dst_rule_68719541435
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!
object-group network CSM_INLINE_dst_rule_68719541457
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541461
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_dst_rule_68719541465
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network EMC-NCM
description EMC Network Configuration Manager
host 192.168.42.122
!
object-group network RSA-enVision
description RSA EnVision Syslog collector and SIM
host 192.168.42.124
!
object-group network CSM_INLINE_dst_rule_73014451187
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object EMC-NCM
group-object RSA-enVision
!
object-group network TACACS
description Csico Secure ACS server for TACACS and Radius
host 192.168.42.131
!
object-group network RSA-AM
description RSA Authentication Manager for SecureID
host 192.168.42.137
!
object-group network NAC-1
description ISE server for NAC
host 192.168.42.111
!
object-group network CSM_INLINE_dst_rule_73014451193
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)

```

```

group-object ActiveDirectory.cisco-irn.com
group-object TACACS
group-object RSA-AM
group-object NAC-1
!
object-group network NAC-2
host 192.168.42.112
!
object-group network CSM_INLINE_dst_rule_73014451223
description Generated by CS-Manager from dst of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object NAC-2
group-object NAC-1
!
object-group network DC-Admin
description DC Admin Systems
host 192.168.41.101
host 192.168.41.102
!
object-group network CSManager
description Cisco Security Manager
host 192.168.42.133
!
object-group network CSM_INLINE_src_rule_68719541409
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object EMC-NCM
group-object CSManager
!
object-group network CSM_INLINE_src_rule_68719541427
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-ALL
group-object Stores-ALL
!
object-group network CSM_INLINE_src_rule_68719541429
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object WCSManager
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
!
object-group network CSM_INLINE_src_rule_68719541433
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object PAME-DC-1
group-object MSP-DC-1
!
object-group network DC-WAAS
description WAE Appliances in Data Center
host 192.168.48.10
host 192.168.49.10
host 192.168.47.11
host 192.168.47.12
!
object-group network CSM_INLINE_src_rule_68719541437
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-WAAS
!
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center
192.168.52.96 255.255.255.224
!
object-group network DC-POS-SAP
description SAP POS Communication from Store to Data Center
192.168.52.144 255.255.255.240
!

```

```

object-group network DC-POS-Oracle
description Oracle POS Communication from Store to Data Center
192.168.52.128 255.255.255.240
!
object-group network CSM_INLINE_src_rule_73014451215
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group network CSM_INLINE_src_rule_73014451217
description Generated by CS-Manager from src of ZbfInspectRule# 0 (Store-Small/mandatory)
group-object DC-Admin
group-object DC-POS-Tomax
group-object DC-POS-SAP
group-object DC-POS-Oracle
!
object-group service CSM_INLINE_svc_rule_68719541409
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
!
object-group service CSM_INLINE_svc_rule_68719541425
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service CSM_INLINE_svc_rule_68719541427
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp echo
icmp echo-reply
icmp traceroute
icmp unreachable
!
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
udp eq 12222
udp eq 12223
!
object-group service TFTP
description Trivial File Transfer
tcp eq 69
udp eq tftp
!
object-group service IP-Protocol-97
description IP protocol 97
97
!
object-group service CSM_INLINE_svc_rule_68719541429
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq www
tcp eq 22
tcp eq telnet
udp eq isakmp
group-object CAPWAP
group-object LWAPP

```

```

group-object TFTP
group-object IP-Protocol-97
!
object-group service Cisco-Mobility
description Mobility ports for Wireless
udp eq 16666
udp eq 16667
!
object-group service CSM_INLINE_svc_rule_68719541431
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
udp eq isakmp
group-object CAPWAP
group-object LWAPP
group-object Cisco-Mobility
group-object IP-Protocol-97
!
object-group service HTTPS-8443
tcp eq 8443
!
object-group service Microsoft-DS-SMB
description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
tcp eq 445
!
object-group service CSM_INLINE_svc_rule_68719541437
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp
tcp eq 139
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541439
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp
tcp eq 139
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Microsoft-DS-SMB
!
object-group service CSM_INLINE_svc_rule_68719541455
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
icmp
tcp-udp eq 5060
tcp eq 2000
tcp eq www
tcp eq 443
group-object TFTP
!
object-group service CSM_INLINE_svc_rule_68719541457
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp-udp eq 5060
tcp eq 2000
!
object-group service Netbios
description Netbios Servers
udp eq netbios-dgm
udp eq netbios-ns
tcp eq 139
!

```



```
object-group service ORACLE-SIM
description Oracle Store Inventory Management
tcp eq 7777
tcp eq 6003
tcp range 12401 12500
!
object-group service RDP
description Windows Remote Desktop
tcp eq 3389
!
object-group service Workbrain
tcp eq 8444
!
object-group service CSM_INLINE_svc_rule_68719541459
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq ftp
tcp eq www
tcp eq 443
udp eq 88
tcp-udp eq 42
group-object Microsoft-DS-SMB
group-object Netbios
group-object ORACLE-SIM
group-object RDP
group-object Workbrain
!
object-group service CSM_INLINE_svc_rule_73014451187
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
udp eq syslog
udp eq snmp
udp eq snmptrap
!
object-group service CSM_INLINE_svc_rule_73014451193
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq tacacs
udp eq 1812
udp eq 1813
tcp eq 389
tcp eq 636
!
object-group service vCenter-to-ESX4
description Communication from vCenter to ESX hosts
tcp eq 5989
tcp eq 8000
tcp eq 902
tcp eq 903
!
object-group service CSM_INLINE_svc_rule_73014451195
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq www
tcp eq 443
tcp eq 22
group-object vCenter-to-ESX4
!
object-group service ESX-SLP
description CIM Service Location Protocol (SLP) for VMware systems
udp eq 427
tcp eq 427
!
object-group service CSM_INLINE_svc_rule_73014451197
```

```

description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
group-object vCenter-to-ESX4
group-object ESX-SLP
!
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
tcp range 1300 1319
!
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
tcp eq 7001
tcp eq 7002
tcp eq 1521
!
object-group service ORACLE-WAS
description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
tcp eq 2809
tcp eq 9443
tcp eq 1414
!
object-group service ORACLE-OAS
description OAS uses one port for HTTP and RMI - 12601.
tcp eq 12601
!
object-group service CSM_INLINE_svc_rule_73014451203
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451205
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object ORACLE-OAS
!
object-group service CSM_INLINE_svc_rule_73014451207
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451209
description Generated by CS-Manager from service of ZbfInspectRule# 0
(Store-Small/mandatory)
tcp eq 443
tcp eq 22
group-object HTTPS-8443
!
object-group service TOMAX-8990
description Tomax Application Port
tcp eq 8990
!

```

```

object-group service CSM_INLINE_svc_rule_73014451211
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service CSM_INLINE_svc_rule_73014451213
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq 443
  group-object TOMAX-8990
!
object-group service ICMP-Requests
  description ICMP requests
  icmp information-request
  icmp mask-request
  icmp timestamp-request
!
object-group service CSM_INLINE_svc_rule_73014451215
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service CSM_INLINE_svc_rule_73014451217
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  icmp echo
  icmp echo-reply
  icmp traceroute
  icmp unreachable
  icmp redirect
  icmp alternate-address
  group-object ICMP-Requests
!
object-group service DNS-Resolving
  description Domain Name Server
  tcp eq domain
  udp eq domain
!
object-group service CSM_INLINE_svc_rule_73014451221
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  udp eq bootps
  group-object DNS-Resolving
!
object-group service CSM_INLINE_svc_rule_73014451223
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  group-object HTTPS-8443
!
object-group service CSM_INLINE_svc_rule_73014451388
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  tcp eq 139
  group-object Microsoft-DS-SMB

```

```

!
object-group service CSM_INLINE_svc_rule_73014451393
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
!
object-group service CSM_INLINE_svc_rule_73014451395
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451397
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp
  udp
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451404
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
!
object-group service CSM_INLINE_svc_rule_73014451406
  description Generated by CS-Manager from service of ZbfInspectRule# 0
  (Store-Small/mandatory)
  tcp eq www
  tcp eq 443
  tcp eq smtp
  tcp eq pop3
  tcp eq 143
!
object-group network DC-Applications
  description Applications in the Data Center that are non-PCI related(Optimized by
  CS-Manager)
  192.168.180.0 255.255.254.0
!
object-group network DC-Voice
  description Data Center Voice
  192.168.45.0 255.255.255.0
!
object-group network MS-Update
  description Windows Update Server
  host 192.168.42.150
!
object-group network MExchange
  description Mail Server
  host 192.168.42.140
!
object-group service NTP
  description NTP Protocols
  tcp eq 123
  udp eq ntp
!
object-group network NTP-Servers
  description NTP Servers
  host 192.168.62.161
  host 162.168.62.162

```

```
!
object-group network STORE-POS
 10.10.0.0 255.255.0.0
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
!
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
!
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_7
 match protocol http
 match protocol https
 match protocol microsoft-ds
 match protocol ms-sql
 match protocol ms-sql-m
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol oracle
 match protocol oracle-em-vp
 match protocol oraclenames
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_10
 match access-group name CSM_ZBF_CMAP_ACL_10
 match class-map CSM_ZBF_CMAP_PLMAP_7
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_16
 match protocol http
 match protocol https
 match protocol isakmp
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_23
 match access-group name CSM_ZBF_CMAP_ACL_23
 match class-map CSM_ZBF_CMAP_PLMAP_16
class-map type inspect match-all CSM_ZBF_CLASS_MAP_32
 match access-group name CSM_ZBF_CMAP_ACL_32
class-map type inspect match-all CSM_ZBF_CLASS_MAP_11
 match access-group name CSM_ZBF_CMAP_ACL_11
 match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_5
 match protocol http
 match protocol https
 match protocol netbios-dgm
 match protocol netbios-ns
 match protocol netbios-ssn
 match protocol tcp
 match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_22
 match access-group name CSM_ZBF_CMAP_ACL_22
 match class-map CSM_ZBF_CMAP_PLMAP_5
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_4
```

```

match protocol http
match protocol https
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_33
match access-group name CSM_ZBF_CMAP_ACL_33
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_8
match protocol sip
match protocol sip-tls
match protocol skinny
match protocol tftp
match protocol http
match protocol https
match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_12
match access-group name CSM_ZBF_CMAP_ACL_12
match class-map CSM_ZBF_CMAP_PLMAP_8
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_15
match protocol http
match protocol https
match protocol netbios-ns
match protocol netbios-dgm
match protocol netbios-ssn
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_21
match access-group name CSM_ZBF_CMAP_ACL_21
match class-map CSM_ZBF_CMAP_PLMAP_15
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_17
match protocol http
match protocol https
match protocol imap3
match protocol pop3
match protocol pop3s
match protocol smtp
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_30
match access-group name CSM_ZBF_CMAP_ACL_30
match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_9
match protocol syslog
match protocol syslog-conn
match protocol snmp
match protocol snmptrap
class-map type inspect match-all CSM_ZBF_CLASS_MAP_13
match access-group name CSM_ZBF_CMAP_ACL_13
match class-map CSM_ZBF_CMAP_PLMAP_9
class-map type inspect match-all CSM_ZBF_CLASS_MAP_20
match access-group name CSM_ZBF_CMAP_ACL_20
match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_20
match protocol http
match protocol https
match protocol netbios-dgm
match protocol netbios-ns
match protocol netbios-ssn
match protocol ftp
match protocol ssh
match protocol tcp
match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_31
match access-group name CSM_ZBF_CMAP_ACL_31

```

```
match class-map CSM_ZBF_CMAP_PLMAP_20
class-map match-all BRANCH-BULK-DATA
  match protocol tftp
  match protocol nfs
  match access-group name BULK-DATA-APPS
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_10
  match protocol ldaps
  match protocol ldap
  match protocol ldap-admin
  match protocol radius
  match protocol tacacs
  match protocol tacacs-ds
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_14
  match access-group name CSM_ZBF_CMAP_ACL_14
  match class-map CSM_ZBF_CMAP_PLMAP_10
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_18
  match protocol http
  match protocol https
  match protocol udp
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_27
  match access-group name CSM_ZBF_CMAP_ACL_27
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_22
  match protocol sip
  match protocol sip-tls
  match protocol skinny
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_36
  match access-group name CSM_ZBF_CMAP_ACL_36
  match class-map CSM_ZBF_CMAP_PLMAP_22
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_11
  match protocol ntp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_15
  match access-group name CSM_ZBF_CMAP_ACL_15
  match class-map CSM_ZBF_CMAP_PLMAP_11
class-map type inspect match-all CSM_ZBF_CLASS_MAP_26
  match access-group name CSM_ZBF_CMAP_ACL_26
  match class-map CSM_ZBF_CMAP_PLMAP_17
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_12
  match protocol bootpc
  match protocol bootps
  match protocol udp
  match protocol tcp
  match protocol dns
  match protocol dhcp-failover
class-map type inspect match-all CSM_ZBF_CLASS_MAP_16
  match access-group name CSM_ZBF_CMAP_ACL_16
  match class-map CSM_ZBF_CMAP_PLMAP_12
class-map type inspect match-all CSM_ZBF_CLASS_MAP_25
  match access-group name CSM_ZBF_CMAP_ACL_25
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_34
  match access-group name CSM_ZBF_CMAP_ACL_34
class-map type inspect match-all CSM_ZBF_CLASS_MAP_17
  match access-group name CSM_ZBF_CMAP_ACL_17
  match protocol icmp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_24
  match access-group name CSM_ZBF_CMAP_ACL_24
  match class-map CSM_ZBF_CMAP_PLMAP_7
```

```
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_21
  match protocol tcp
  match protocol udp
  match protocol http
  match protocol https
class-map type inspect match-all CSM_ZBF_CLASS_MAP_35
  match access-group name CSM_ZBF_CMAP_ACL_35
  match class-map CSM_ZBF_CMAP_PLMAP_21
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_13
  match protocol https
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_18
  match access-group name CSM_ZBF_CMAP_ACL_18
  match class-map CSM_ZBF_CMAP_PLMAP_13
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_14
  match protocol http
  match protocol https
  match protocol user-8443
class-map type inspect match-all CSM_ZBF_CLASS_MAP_19
  match access-group name CSM_ZBF_CMAP_ACL_19
  match class-map CSM_ZBF_CMAP_PLMAP_14
class-map type inspect match-all CSM_ZBF_CLASS_MAP_29
  match access-group name CSM_ZBF_CMAP_ACL_29
  match class-map CSM_ZBF_CMAP_PLMAP_18
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_19
  match protocol http
  match protocol https
  match protocol icmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_28
  match access-group name CSM_ZBF_CMAP_ACL_28
  match class-map CSM_ZBF_CMAP_PLMAP_19
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_1
  match protocol https
  match protocol ssh
class-map type inspect match-all CSM_ZBF_CLASS_MAP_1
  match access-group name CSM_ZBF_CMAP_ACL_1
  match class-map CSM_ZBF_CMAP_PLMAP_1
class-map type inspect match-all CSM_ZBF_CLASS_MAP_3
  match access-group name CSM_ZBF_CMAP_ACL_3
  match protocol icmp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_2
  match protocol https
  match protocol http
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_2
  match access-group name CSM_ZBF_CMAP_ACL_2
  match class-map CSM_ZBF_CMAP_PLMAP_2
class-map type inspect match-all CSM_ZBF_CLASS_MAP_5
  match access-group name CSM_ZBF_CMAP_ACL_5
  match class-map CSM_ZBF_CMAP_PLMAP_4
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_3
  match protocol http
  match protocol https
  match protocol ssh
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_4
  match access-group name CSM_ZBF_CMAP_ACL_4
  match class-map CSM_ZBF_CMAP_PLMAP_3
class-map type inspect match-all CSM_ZBF_CLASS_MAP_7
  match access-group name CSM_ZBF_CMAP_ACL_7
  match class-map CSM_ZBF_CMAP_PLMAP_5
```



```

class-map type inspect match-all CSM_ZBF_CLASS_MAP_6
  match access-group name CSM_ZBF_CMAP_ACL_6
  match protocol tcp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_9
  match access-group name CSM_ZBF_CMAP_ACL_9
  match protocol tcp
class-map type inspect match-any CSM_ZBF_CMAP_PLMAP_6
  match protocol http
  match protocol https
  match protocol ssh
  match protocol telnet
  match protocol tftp
  match protocol isakmp
  match protocol tcp
  match protocol udp
class-map type inspect match-all CSM_ZBF_CLASS_MAP_8
  match access-group name CSM_ZBF_CMAP_ACL_8
  match class-map CSM_ZBF_CMAP_PLMAP_6
class-map match-all BULK-DATA
  match ip dscp af11 af12
class-map match-all INTERACTIVE-VIDEO
  match ip dscp af41 af42
class-map match-any BRANCH-TRANSACTIONAL-DATA
  match protocol citrix
  match protocol ldap
  match protocol telnet
  match protocol sqlnet
  match protocol http url "*SalesReport*"
  match access-group name TRANSACTIONAL-DATA-APPS
class-map match-all BRANCH-MISSION-CRITICAL
  match access-group name MISSION-CRITICAL-SERVERS
class-map match-all VOICE
  match ip dscp ef
class-map match-all MISSION-CRITICAL-DATA
  match ip dscp 25
class-map match-any BRANCH-NET-MGMT
  match protocol snmp
  match protocol syslog
  match protocol dns
  match protocol icmp
  match protocol ssh
  match access-group name NET-MGMT-APPS
class-map match-all ROUTING
  match ip dscp cs6
class-map match-all SCAVENGER
  match ip dscp cs1
class-map match-all NET-MGMT
  match ip dscp cs2
class-map match-any BRANCH-SCAVENGER
  match protocol gnutella
  match protocol fasttrack
  match protocol kazaa2
class-map match-any CALL-SIGNALING
  match ip dscp cs3
class-map match-all TRANSACTIONAL-DATA
  match ip dscp af21 af22
!
!
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
  class class-default
    drop log

```

```

policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
  class type inspect CSM_ZBF_CLASS_MAP_6
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
  class type inspect CSM_ZBF_CLASS_MAP_6
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_3
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
  class class-default
    drop log
policy-map BRANCH-LAN-EDGE-OUT
  class class-default
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
  class type inspect CSM_ZBF_CLASS_MAP_22
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
  class class-default
    drop log
policy-map BRANCH-WAN-EDGE
  class VOICE
    priority percent 18
  class INTERACTIVE-VIDEO
    priority percent 15
  class CALL-SIGNALING
    bandwidth percent 5
  class ROUTING
    bandwidth percent 3
  class NET-MGMT
    bandwidth percent 2
  class MISSION-CRITICAL-DATA
    bandwidth percent 15
    random-detect
  class TRANSACTIONAL-DATA
    bandwidth percent 12
    random-detect dscp-based
  class BULK-DATA
    bandwidth percent 4

```

```

    random-detect dscp-based
  class SCAVENGER
    bandwidth percent 1
  class class-default
    bandwidth percent 25
    random-detect
policy-map type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_18
  class type inspect CSM_ZBF_CLASS_MAP_28
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_19
  class type inspect CSM_ZBF_CLASS_MAP_15
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_17
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_29
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_30
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_31
    inspect Inspect-1
  class class-default
    drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_16
  class type inspect CSM_ZBF_CLASS_MAP_24
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_25
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_26
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_27
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_15
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_17
  class type inspect CSM_ZBF_CLASS_MAP_25
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_26
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_27
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_15
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_16
    inspect Inspect-1
  class type inspect CSM_ZBF_CLASS_MAP_19
    inspect Inspect-1
  class class-default
    drop
policy-map type inspect CSM_ZBF_POLICY_MAP_14

```

```

class type inspect CSM_ZBF_CLASS_MAP_22
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_15
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_23
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_12
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_20
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_21
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_30
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_34
drop log
class type inspect CSM_ZBF_CLASS_MAP_35
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_13
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16

```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_21
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_20
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_32
drop log
class type inspect CSM_ZBF_CLASS_MAP_33
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_10
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_11
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_18
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_22
class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_19
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_36
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_9
class type inspect CSM_ZBF_CLASS_MAP_13
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_14
inspect Inspect-1

```

```

class type inspect CSM_ZBF_CLASS_MAP_15
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_16
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_17
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_MAP_8
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_12
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_7
class type inspect CSM_ZBF_CLASS_MAP_9
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_10
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_11
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_6
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_5
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_8
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_4
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_6
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_7
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_3
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_5
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_2
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_4

```

```

inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_MAP_1
class type inspect CSM_ZBF_CLASS_MAP_1
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_2
inspect Inspect-1
class type inspect CSM_ZBF_CLASS_MAP_3
inspect Inspect-1
class class-default
drop
policy-map type inspect CSM_ZBF_POLICY_S_Partners_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Security_S_POS
class class-default
drop log
policy-map BRANCH-LAN-EDGE-IN
class BRANCH-MISSION-CRITICAL
set ip dscp 25
class BRANCH-TRANSACTIONAL-DATA
set ip dscp af21
class BRANCH-NET-MGMT
set ip dscp cs2
class BRANCH-BULK-DATA
set ip dscp af11
class BRANCH-SCAVENGER
set ip dscp cs1
policy-map type inspect CSM_ZBF_POLICY_S_Data_S_POS
class class-default
drop log
policy-map type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
class class-default
drop log
!
zone security S_WAN
description Store WAN Link
zone security LOOPBACK
description Loopback interface
zone security S_MGMT
description VLAN1000 Management
zone security S_Security
description VLAN20 Physical Security Systems
zone security S_WAAS
description VLAN19 WAAS optimization
zone security S_WLC-AP
description VLAN18 Wireless Systems
zone security S_Data
description VLAN12 Store Data
zone security S_Data-W
description VLAN14 Store Wireless Data
zone security S_Guest
description VLAN17 Guest/Public Wireless
zone security S_Voice
description VLAN13 Store Voice
zone security S_Partners
description VLAN16 Partner network
zone security S_POS
description VLAN 11 POS Data
zone security S_POS-W
description VLAN15 Store Wireless POS

```

```

zone-pair security CSM_S_WAN-LOOPBACK_1 source S_WAN destination LOOPBACK
service-policy type inspect CSM_ZBF_POLICY_MAP_1
zone-pair security CSM_S_WAN-S_MGMT_1 source S_WAN destination S_MGMT
service-policy type inspect CSM_ZBF_POLICY_MAP_2
zone-pair security CSM_S_WAN-S_Security_1 source S_WAN destination S_Security
service-policy type inspect CSM_ZBF_POLICY_MAP_3
zone-pair security CSM_S_WAN-S_WAAS_1 source S_WAN destination S_WAAS
service-policy type inspect CSM_ZBF_POLICY_MAP_4
zone-pair security CSM_S_WAN-S_WLC-AP_1 source S_WAN destination S_WLC-AP
service-policy type inspect CSM_ZBF_POLICY_MAP_5
zone-pair security CSM_S_WAN-S_Data_1 source S_WAN destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_Data-W_1 source S_WAN destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Data-W
zone-pair security CSM_S_WAN-S_Guest_1 source S_WAN destination S_Guest
service-policy type inspect CSM_ZBF_POLICY_S_WAN_S_Guest
zone-pair security CSM_S_WAN-S_Partners_1 source S_WAN destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_MAP_6
zone-pair security CSM_S_WAN-S_POS_1 source S_WAN destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_POS-W_1 source S_WAN destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_Voice_1 source S_WAN destination S_Voice
service-policy type inspect CSM_ZBF_POLICY_MAP_8
zone-pair security CSM_LOOPBACK-S_WAN_1 source LOOPBACK destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_9
zone-pair security CSM_LOOPBACK-S_POS_1 source LOOPBACK destination S_POS
service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_LOOPBACK-S_POS-W_1 source LOOPBACK destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_LOOPBACK_S_POS-W
zone-pair security CSM_S_MGMT-S_WAN_1 source S_MGMT destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_11
zone-pair security CSM_S_MGMT-S_POS_1 source S_MGMT destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS
zone-pair security CSM_S_MGMT-S_POS-W_1 source S_MGMT destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_MGMT_S_POS-W
zone-pair security CSM_S_Security-S_WAN_1 source S_Security destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_12
zone-pair security CSM_S_Security-S_POS_1 source S_Security destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS
zone-pair security CSM_S_Security-S_POS-W_1 source S_Security destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_Security_S_POS-W
zone-pair security CSM_S_WAAS-S_WAN_1 source S_WAAS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_13
zone-pair security CSM_S_WAAS-S_POS_1 source S_WAAS destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS
zone-pair security CSM_S_WAAS-S_POS-W_1 source S_WAAS destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_POS-W
zone-pair security CSM_S_WAAS-S_Data_1 source S_WAAS destination S_Data
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Data-W_1 source S_WAAS destination S_Data-W
service-policy type inspect CSM_ZBF_POLICY_MAP_14
zone-pair security CSM_S_WAAS-S_Partners_1 source S_WAAS destination S_Partners
service-policy type inspect CSM_ZBF_POLICY_S_WAAS_S_Partners
zone-pair security CSM_S_WLC-AP-S_WAN_1 source S_WLC-AP destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_15
zone-pair security CSM_S_WLC-AP-S_POS_1 source S_WLC-AP destination S_POS
service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS
zone-pair security CSM_S_WLC-AP-S_POS-W_1 source S_WLC-AP destination S_POS-W
service-policy type inspect CSM_ZBF_POLICY_S_WLC-AP_S_POS-W
zone-pair security CSM_S_POS-S_WAN_1 source S_POS destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_16
zone-pair security CSM_S_POS-W-S_WAN_1 source S_POS-W destination S_WAN
service-policy type inspect CSM_ZBF_POLICY_MAP_17

```



```

zone-pair security CSM_S_POS-W-S_POS_1 source S_POS-W destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_MAP_18
zone-pair security CSM_S_Data-S_POS_1 source S_Data destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS
zone-pair security CSM_S_Data-S_POS-W_1 source S_Data destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_S_Data_S_POS-W
zone-pair security CSM_S_Data-S_WAN_1 source S_Data destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Data-W-S_POS_1 source S_Data-W destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS
zone-pair security CSM_S_Data-W-S_POS-W_1 source S_Data-W destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_S_Data-W_S_POS-W
zone-pair security CSM_S_Data-W-S_WAN_1 source S_Data-W destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_19
zone-pair security CSM_S_Guest-S_POS_1 source S_Guest destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS
zone-pair security CSM_S_Guest-S_POS-W_1 source S_Guest destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_S_Guest_S_POS-W
zone-pair security CSM_S_Guest-S_WAN_1 source S_Guest destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_20
zone-pair security CSM_S_Partners-S_POS_1 source S_Partners destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_S_Partners_S_POS
zone-pair security CSM_S_Partners-S_POS-W_1 source S_Partners destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_MAP_10
zone-pair security CSM_S_Partners-S_WAN_1 source S_Partners destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_21
zone-pair security CSM_S_Voice-S_POS_1 source S_Voice destination S_POS
  service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS
zone-pair security CSM_S_Voice-S_POS-W_1 source S_Voice destination S_POS-W
  service-policy type inspect CSM_ZBF_POLICY_S_Voice_S_POS-W
zone-pair security CSM_S_Voice-S_WAN_1 source S_Voice destination S_WAN
  service-policy type inspect CSM_ZBF_POLICY_MAP_22
!
!
!
!
!
!
!
interface Loopback0
  ip address 10.10.174.1 255.255.255.255
  ip pim sparse-dense-mode
  zone-member security LOOPBACK
!
interface FastEthernet0
  switchport mode trunk
!
interface FastEthernet1
  switchport access vlan 17
  switchport protected
!
interface FastEthernet2
  switchport access vlan 17
  switchport protected
!
interface FastEthernet3
  switchport access vlan 17
  switchport protected
!
interface FastEthernet4
  switchport access vlan 17
  switchport protected
!
interface FastEthernet5

```

```

switchport access vlan 17
switchport protected
!
interface FastEthernet6
switchport access vlan 17
switchport protected
!
interface FastEthernet7
switchport access vlan 17
switchport protected
!
interface FastEthernet8
no ip address
duplex auto
speed auto
!
interface FastEthernet8.1
!
interface GigabitEthernet0
ip address 10.10.255.160 255.255.255.0
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_WAN
duplex auto
speed auto
service-policy output BRANCH-WAN-EDGE
!
interface wlan-ap0
description Service module interface to manage the embedded AP
ip address 10.10.174.33 255.255.255.252
zone-member security S_WLC-AP
service-module ip address 10.10.174.34 255.255.255.252
service-module ip default-gateway 10.10.174.33
arp timeout 0
!
interface Wlan-GigabitEthernet0
description Internal switch interface connecting to the embedded AP
switchport mode trunk
zone-member security S_WLC-AP
service-module ip address 10.10.174.34 255.255.255.252
service-module ip default-gateway 10.10.174.33
!
interface Vlan1
no ip address
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS
!
interface Vlan11
description POS
ip address 10.10.160.2 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS
standby 11 ip 10.10.160.1
standby 11 priority 101
standby 11 preempt
ip igmp query-interval 125
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan12

```

```
description DATA
ip address 10.10.161.2 255.255.255.0
ip helper-address 192.168.42.130
ip wccp 61 redirect in
ip pim sparse-dense-mode
zone-member security S_Data
standby 12 ip 10.10.161.1
standby 12 priority 101
standby 12 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan13
description VOICE
ip address 10.10.162.2 255.255.255.0
ip helper-address 192.168.42.130
ip pim sparse-dense-mode
zone-member security S_Voice
standby 13 ip 10.10.162.1
standby 13 priority 101
standby 13 preempt
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan14
description WIRELESS
ip address 10.10.163.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Data-W
standby 14 ip 10.10.163.1
standby 14 priority 101
standby 14 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan15
description WIRELESS-POS
ip address 10.10.164.2 255.255.255.0
ip helper-address 192.168.42.130
ip ips Store-IPS in
ip ips Store-IPS out
zone-member security S_POS-W
standby 15 ip 10.10.164.1
standby 15 priority 101
standby 15 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan16
description PARTNER
ip address 10.10.165.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Partners
standby 16 ip 10.10.165.1
standby 16 priority 101
standby 16 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan17
description WIRELESS-GUEST
ip address 10.10.166.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Guest
standby 17 ip 10.10.166.1
```

```

standby 17 priority 101
standby 17 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan18
description WIRELESS-CONTROL
ip address 10.10.167.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WLC-AP
standby 18 ip 10.10.167.1
standby 18 priority 101
standby 18 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan19
description WAAS
ip address 10.10.168.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_WAAS
standby 19 ip 10.10.168.1
standby 19 priority 101
standby 19 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan20
description SECURITY
ip address 10.10.169.2 255.255.255.0
ip helper-address 192.168.42.130
zone-member security S_Security
standby 20 ip 10.10.169.1
standby 20 priority 101
standby 20 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan1000
description MANAGEMENT
ip address 10.10.175.2 255.255.255.0
zone-member security S_MGMT
standby 100 ip 10.10.175.1
standby 100 priority 101
standby 100 preempt
service-policy input BRANCH-LAN-EDGE-IN
service-policy output BRANCH-LAN-EDGE-OUT
!
interface Async1
no ip address
encapsulation slip
!
interface Group-Async0
physical-layer async
no ip address
encapsulation slip
no group-range
!
router ospf 5
router-id 10.10.174.1
passive-interface default
!
no ip forward-protocol nd
!

```

```

!
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip route 0.0.0.0 0.0.0.0 10.10.255.11
ip tacacs source-interface Loopback0
!
ip access-list extended BULK-DATA-APPS
  remark ---File Transfer---
  permit tcp any any eq ftp
  permit tcp any any eq ftp-data
  remark ---E-mail traffic---
  permit tcp any any eq smtp
  permit tcp any any eq pop3
  permit tcp any any eq 143
  remark ---other EDM app protocols---
  permit tcp any any range 3460 3466
  permit tcp any range 3460 3466 any
  remark ---messaging services---
  permit tcp any any eq 2980
  permit tcp any eq 2980 any
  remark ---Microsoft file services---
  permit tcp any any range 137 139
  permit tcp any range 137 139 any
ip access-list extended CSM_ZBF_CMAP_ACL_1
  remark Data Center Mgmt to Devices
  permit object-group CSM_INLINE_svc_rule_68719541409 object-group
CSM_INLINE_src_rule_68719541409 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_10
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451205 object-group DC-POS-Oracle
object-group STORE-POS
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451209 object-group DC-POS-SAP object-group
STORE-POS
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451213 object-group DC-POS-Tomax
object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_11
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451215 object-group
CSM_INLINE_src_rule_73014451215 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_12
  remark Data Center VOICE (wired and Wireless)
  permit object-group CSM_INLINE_svc_rule_68719541455 object-group DC-Voice object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_13
  remark Syslog and SNMP Alerts
  permit object-group CSM_INLINE_svc_rule_73014451187 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451187
ip access-list extended CSM_ZBF_CMAP_ACL_14
  remark Store to Data Center Authentications
  permit object-group CSM_INLINE_svc_rule_73014451193 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451193
ip access-list extended CSM_ZBF_CMAP_ACL_15
  remark Store to Data Center for NTP
  permit object-group NTP object-group Stores-ALL object-group NTP-Servers
ip access-list extended CSM_ZBF_CMAP_ACL_16
  remark Store to Data Center for DHCP and DNS
  permit object-group CSM_INLINE_svc_rule_73014451221 object-group Stores-ALL object-group
ActiveDirectory.cisco-irn.com

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_17
  remark Permit ICMP traffic
  permit object-group CSM_INLINE_svc_rule_68719541425 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541425
ip access-list extended CSM_ZBF_CMAP_ACL_18
  remark Store UCS E-series server to Data Center vSphere
  permit object-group CSM_INLINE_svc_rule_73014451197 object-group Stores-ALL object-group
vSphere-1
ip access-list extended CSM_ZBF_CMAP_ACL_19
  remark Store NAC
  permit object-group CSM_INLINE_svc_rule_73014451223 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_73014451223
ip access-list extended CSM_ZBF_CMAP_ACL_2
  remark Data Center subscribe to IPS SDEE events
  permit tcp object-group RSA-enVision object-group Stores-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
  remark Store to Data Center Physical Security
  permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541435
ip access-list extended CSM_ZBF_CMAP_ACL_21
  remark Store WAAS (WAAS Devices need their own zone)
  permit object-group CSM_INLINE_svc_rule_68719541439 object-group Stores-ALL object-group
DC-WAAS
ip access-list extended CSM_ZBF_CMAP_ACL_22
  remark Store WAAS to Clients and Servers
  permit object-group CSM_INLINE_svc_rule_73014451388 object-group Stores-ALL object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_23
  remark Store to Data Center wireless controller traffic
  permit object-group CSM_INLINE_svc_rule_68719541431 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541431
ip access-list extended CSM_ZBF_CMAP_ACL_24
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451203 object-group STORE-POS object-group
DC-POS-Oracle
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451207 object-group STORE-POS object-group
DC-POS-SAP
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451211 object-group STORE-POS object-group
DC-POS-Tomax
ip access-list extended CSM_ZBF_CMAP_ACL_25
  remark Permit POS systems to talk to Data Center Servers
  permit object-group CSM_INLINE_svc_rule_73014451217 object-group
CSM_INLINE_src_rule_73014451217 object-group STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_26
  remark Store to Data Center for E-mail
  permit object-group CSM_INLINE_svc_rule_73014451393 object-group STORE-POS object-group
MSExchange
ip access-list extended CSM_ZBF_CMAP_ACL_27
  remark Store to Data Center for Windows Updates
  permit object-group CSM_INLINE_svc_rule_73014451395 object-group STORE-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
  remark Permit POS clients to talk to store POS server
  permit object-group CSM_INLINE_svc_rule_73014451397 object-group STORE-POS object-group
STORE-POS
ip access-list extended CSM_ZBF_CMAP_ACL_29
  remark Store to Data Center for Windows Updates
  permit object-group CSM_INLINE_svc_rule_73014451404 object-group Stores-ALL object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_3
  remark Permit ICMP traffic
  permit object-group CSM_INLINE_svc_rule_68719541427 object-group
CSM_INLINE_src_rule_68719541427 object-group Stores-ALL

```

```

ip access-list extended CSM_ZBF_CMAP_ACL_30
remark Store to Data Center for E-mail
permit object-group CSM_INLINE_svc_rule_73014451406 object-group Stores-ALL object-group
MSEExchange
ip access-list extended CSM_ZBF_CMAP_ACL_31
remark Store DATA (wired and Wireless - Access to DC Other applications)
permit object-group CSM_INLINE_svc_rule_68719541459 object-group Stores-ALL object-group
DC-Applications
ip access-list extended CSM_ZBF_CMAP_ACL_32
remark Store GUEST - Drop Traffic to Enterprise
permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541465
ip access-list extended CSM_ZBF_CMAP_ACL_33
remark Store GUEST (access to internet/DMZ web servers)
permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
remark Store PARTNERS - Drop Traffic to Enterprise
permit ip object-group Stores-ALL object-group CSM_INLINE_dst_rule_68719541461
ip access-list extended CSM_ZBF_CMAP_ACL_35
remark Store PARTNERS (wired and wireless - Access to Partner site, Internet VPN)
permit ip object-group Stores-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
remark Store VOICE (wired and Wireless - Access to corporate wide voice)
permit object-group CSM_INLINE_svc_rule_68719541457 object-group Stores-ALL object-group
CSM_INLINE_dst_rule_68719541457
ip access-list extended CSM_ZBF_CMAP_ACL_4
remark Data Center vSphere to UCS E-series server
permit object-group CSM_INLINE_svc_rule_73014451195 object-group vSphere-1 object-group
Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_5
remark Data Center to Store Physical Security
permit ip object-group CSM_INLINE_src_rule_68719541433 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_6
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_7
remark Data Center WAAS to Store
permit object-group CSM_INLINE_svc_rule_68719541437 object-group
CSM_INLINE_src_rule_68719541437 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
remark Data Center Wireless Control to AP's and Controllers in stores
permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Stores-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_9
remark Data Center Mgmt to Devices
permit object-group RDP object-group DC-Admin object-group STORE-POS
ip access-list extended MISSION-CRITICAL-SERVERS
remark ---POS Applications---
permit ip any 192.168.52.0 0.0.0.255
ip access-list extended NET-MGMT-APPS
remark - Router user Authentication - Identifies TACACS Control traffic
permit tcp any any eq tacacs
permit tcp any any eq tacacs any
ip access-list extended TRANSACTIONAL-DATA-APPS
remark ---Workbrain Application---
remark --Large Store Clock Server to Central Clock Application
permit tcp host 10.10.49.94 host 192.168.46.72 eq 8444
remark --Large store Clock Server to CUAE
permit tcp host 10.10.49.94 host 192.168.45.185 eq 8000
remark ---LiteScape Application---
permit ip any host 192.168.46.82
permit ip any 239.192.0.0 0.0.0.255
permit ip any host 239.255.255.250
remark ---Remote Desktop---
permit tcp any any eq 3389

```

```

permit tcp any eq 3389 any
remark ---Oracle SIM---
permit tcp any 192.168.46.0 0.0.0.255 eq 7777
permit tcp any 192.168.46.0 0.0.0.255 eq 6003
permit tcp any 192.168.46.0 0.0.0.255 range 12401 12500
permit tcp 192.168.46.0 0.0.0.255 eq 7777 any
permit tcp 192.168.46.0 0.0.0.255 eq 6003 any
permit tcp 192.168.46.0 0.0.0.255 range 12401 12500 any
!
logging esm config
logging trap debugging
logging source-interface Loopback0
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
!
!
!
!
!
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group causer v3 priv
snmp-server group remoteuser v3 noauth
snmp-server trap-source Loopback0
snmp-server packetize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps flash insertion removal
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps energywise
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps entity
snmp-server enable traps hsrp
snmp-server enable traps cpu threshold
snmp-server enable traps rsvp
snmp-server enable traps ipsla
snmp-server enable traps syslog
snmp-server enable traps vtp
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server domain-stripping
tacacs-server key 7 <removed>
!
!
control-plane
!
banner exec C

```


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banner incoming C

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banner login C

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!

```
line con 0
  session-timeout 15 output
  exec-timeout 15 0
  login authentication RETAIL
line 1
  modem InOut
  stopbits 1
  speed 115200
  flowcontrol hardware
line 2
  no activation-character
  no exec
  transport preferred none
  transport input ssh
  transport output none
line aux 0
  session-timeout 1 output
  exec-timeout 0 1
  privilege level 0
  login authentication RETAIL
  no exec
  transport preferred none
  transport output none
line vty 0 4
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
```

```

transport input ssh
transport output none
line vty 5 15
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh
 transport output none
!
scheduler max-task-time 5000
ntp source Loopback0
ntp server 192.168.62.161 prefer
ntp server 192.168.62.162
end

```

S-A2-CONV-1

Building configuration...

```

Current configuration : 8808 bytes
!
! Last configuration change at 02:11:23 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:11:23 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-Conv-1
!
boot-start-marker
boot-end-marker
!
logging buffered 50000
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!

```

```
!  
!  
aaa session-id common  
clock timezone PST -8  
clock summer-time PSTDST recurring  
system mtu routing 1500  
!  
!  
ip domain-name cisco-irn.com  
ip name-server 192.168.42.130  
login block-for 1800 attempts 6 within 1800  
login quiet-mode access-class 23  
login on-failure log  
login on-success log  
!  
password encryption aes  
!  
crypto pki trustpoint TP-self-signed-3179870208  
  enrollment selfsigned  
  subject-name cn=IOS-Self-Signed-Certificate-3179870208  
  revocation-check none  
  rsakeypair TP-self-signed-3179870208  
!  
!  
crypto pki certificate chain TP-self-signed-3179870208  
  certificate self-signed 01  
    <removed>  
  quit  
!  
!  
!  
archive  
  log config  
    logging enable  
    notify syslog contenttype plaintext  
    hidekeys  
spanning-tree mode pvst  
spanning-tree extend system-id  
!  
vlan internal allocation policy ascending  
!  
ip ssh version 2  
ip scp server enable  
!  
!  
interface FastEthernet0/1  
  switchport mode trunk  
!  
interface FastEthernet0/2  
  description AIR-CAP1042N  
  switchport trunk native vlan 18  
  switchport trunk allowed vlan 14-18  
  switchport mode trunk  
!  
interface FastEthernet0/3  
!  
interface FastEthernet0/4  
!  
interface FastEthernet0/5  
!  
interface FastEthernet0/6  
!  
interface FastEthernet0/7  
!
```

```

interface FastEthernet0/8
!
interface GigabitEthernet0/1
  switchport mode trunk
!
interface Vlan1
  no ip address
  no ip route-cache
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.175.11 255.255.255.0
  no ip route-cache
!
ip default-gateway 10.10.175.1
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
ip sla enable reaction-alerts
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal
snmp-server enable traps port-security
snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps power-ethernet group 1
snmp-server enable traps power-ethernet police
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps config-ctid
snmp-server enable traps energywise

```

```

snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131 timeout 5
tacacs-server directed-request
tacacs-server key 7 <removed>
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
    **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
    session-timeout 15 output
    exec-timeout 15 0
    login authentication RETAIL
line vty 0 4
    session-timeout 15 output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL
    transport preferred none
    transport input ssh
    transport output none
line vty 5 15
    session-timeout 15 output
    access-class 23 in
    exec-timeout 15 0
    logging synchronous
    login authentication RETAIL

```

```

transport preferred none
transport input ssh
transport output none
!
ntp clock-period 36028799
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end

```

Managed Service Provider

FW-A2-MSP-1

```
FW-A2-MSP-1# sh ver
```

```

Cisco Adaptive Security Appliance Software Version 9.0(0)129
Device Manager Version 7.0(0)40

```

```

Compiled on Wed 03-Oct-12 14:19 PDT by builders
System image file is "disk0:/asa900-129-smp-k8.bin"
Config file at boot was "startup-config"

```

```
FW-A2-MSP-1 up 97 days 23 hours
```

```

Hardware:   ASA5515, 8192 MB RAM, CPU Clarkdale 3058 MHz, 1 CPU (4 cores)
           ASA: 4096 MB RAM, 1 CPU (1 core)
Internal ATA Compact Flash, 8192MB
BIOS Flash MX25L6445E @ 0xffbb0000, 8192KB

```

```

Encryption hardware device : Cisco ASA-55xx on-board accelerator (revision 0x1)
                          Boot microcode       : CNP-MC-BOOT-2.00
                          SSL/IKE microcode    : CNP-MC-SSL-PLUS-T020
                          IPSec microcode      : CNP-MC-IPSEC-MAIN-0022
                          Number of accelerators: 1

```

```
Baseboard Management Controller (revision 0x1) Firmware Version: 2.4
```

```

0: Int: Internal-Data0/0      : address is d48c.b54d.9520, irq 11
1: Ext: GigabitEthernet0/0    : address is d48c.b54d.9524, irq 10
2: Ext: GigabitEthernet0/1    : address is d48c.b54d.9521, irq 10
3: Ext: GigabitEthernet0/2    : address is d48c.b54d.9525, irq 5
4: Ext: GigabitEthernet0/3    : address is d48c.b54d.9522, irq 5
5: Ext: GigabitEthernet0/4    : address is d48c.b54d.9526, irq 10
6: Ext: GigabitEthernet0/5    : address is d48c.b54d.9523, irq 10
7: Int: Internal-Data0/1      : address is 0000.0001.0002, irq 0
8: Int: Internal-Data0/2      : address is 0000.0001.0001, irq 0
9: Int: Internal-Data0/2      : address is 0000.0001.0003, irq 0
10: Ext: Management0/0        : address is d48c.b54d.9520, irq 0

```

```
Licensed features for this platform:
```

```

Maximum Physical Interfaces      : Unlimited    perpetual
Maximum VLANs                   : 100          perpetual
Inside Hosts                    : Unlimited    perpetual
Failover                        : Active/Active perpetual
Encryption-DES                  : Enabled     perpetual
Encryption-3DES-AES             : Enabled     perpetual
Security Contexts                : 5          perpetual
GTP/GPRS                        : Disabled     perpetual

```

```

AnyConnect Premium Peers      : 10          perpetual
AnyConnect Essentials         : 250         perpetual
Other VPN Peers               : 250         perpetual
Total VPN Peers               : 250         perpetual
Shared License                 : Disabled    perpetual
AnyConnect for Mobile         : Enabled    perpetual
AnyConnect for Cisco VPN Phone : Enabled    perpetual
Advanced Endpoint Assessment   : Enabled    perpetual
UC Phone Proxy Sessions       : 2          perpetual
Total UC Proxy Sessions       : 2          perpetual
Botnet Traffic Filter         : Disabled    perpetual
Intercompany Media Engine     : Enabled    perpetual
IPS Module                    : Enabled    perpetual
Cluster                       : Disabled    perpetual

```

This platform has an ASA 5515 Security Plus license.

```

Serial Number: FCH162771K6
Running Permanent Activation Key: 0xbb3ac554 0x607ed951 0x5d428d70 0xcec038dc 0x0d09f584
Configuration register is 0x1
Configuration last modified by bmcgloth at 13:15:34.337 PST Fri Dec 21 2012
FW-A2-MSP-1#
FW-A2-MSP-1#
FW-A2-MSP-1#
FW-A2-MSP-1#
FW-A2-MSP-1# sh run
: Saved
:
ASA Version 9.0(0)129
!
terminal width 511
hostname FW-A2-MSP-1
domain-name cisco-irn.com
enable password WKlYt0jXwtQLFcZ7 encrypted
passwd WKlYt0jXwtQLFcZ7 encrypted
names
dns-guard
!
interface GigabitEthernet0/0
 nameif MSP-WAN
 security-level 0
 ip address 10.10.255.176 255.255.255.0
!
interface GigabitEthernet0/1
 no nameif
 no security-level
 no ip address
!
interface GigabitEthernet0/1.11
 vlan 11
 nameif POS
 security-level 95
 ip address 10.10.176.1 255.255.255.0
!
interface GigabitEthernet0/1.12
 vlan 12
 nameif DATA
 security-level 85
 ip address 10.10.177.1 255.255.255.0
!
interface GigabitEthernet0/1.13
 vlan 13
 nameif VOICE
 security-level 80

```

```

    ip address 10.10.178.1 255.255.255.0
    !
interface GigabitEthernet0/1.14
    vlan 14
    nameif WIRELESS
    security-level 70
    ip address 10.10.179.1 255.255.255.0
    !
interface GigabitEthernet0/1.15
    vlan 15
    nameif WIRELESS-POS
    security-level 90
    ip address 10.10.180.1 255.255.255.0
    !
interface GigabitEthernet0/1.16
    vlan 16
    nameif PARTNER
    security-level 65
    ip address 10.10.181.1 255.255.255.0
    !
interface GigabitEthernet0/1.17
    vlan 17
    nameif WIRELESS-GUEST
    security-level 10
    ip address 10.10.182.1 255.255.255.0
    !
interface GigabitEthernet0/1.18
    vlan 18
    nameif WIRELESS-CONTROL
    security-level 75
    ip address 10.10.183.1 255.255.255.0
    !
interface GigabitEthernet0/1.19
    vlan 19
    nameif WAAS
    security-level 100
    ip address 10.10.184.1 255.255.255.0
    !
interface GigabitEthernet0/1.1000
    vlan 1000
    nameif MANAGEMENT
    security-level 100
    ip address 10.10.191.1 255.255.255.0
    !
interface GigabitEthernet0/2
    shutdown
    no nameif
    no security-level
    no ip address
    !
interface GigabitEthernet0/3
    shutdown
    no nameif
    no security-level
    no ip address
    !
interface GigabitEthernet0/4
    shutdown
    no nameif
    no security-level
    no ip address
    !
interface GigabitEthernet0/5
    shutdown

```



```

no nameif
no security-level
no ip address
!
interface Management0/0
description IPS management connection
management-only
nameif IPS-Mgmt
security-level 1
no ip address
!
banner exec WARNING:
banner exec **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner exec **** AUTHORIZED USERS ONLY! ****
banner exec
banner exec ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
banner exec TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE
NECESSARY
banner exec TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM ADMINISTRATOR OR OTHER
banner exec REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME
WITHOUT
banner exec FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
banner exec CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
banner exec ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
banner exec
banner exec UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS.
banner login WARNING:
banner login THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
banner asdm WARNING:
banner asdm **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner asdm **** AUTHORIZED USERS ONLY! ****
banner asdm
banner asdm ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH AD
DITIONAL MONITORING AS MAY BE NECESSARY TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM
ADMINISTRATOR OR OTHER REPRESENTATIVES OF T
HE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT FURTHER NOTICE OR CONSENT.
UNAUTHORIZED USE OF THIS SYSTEM AND ANY O
THER CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT
OFFICIALS AND PROSECUTION TO THE F
banner asdm
banner asdm UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS
boot system disk0:/asa900-129-smp-k8.bin
ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns domain-lookup MSP-WAN
dns server-group DefaultDNS
name-server 192.168.42.130
domain-name cisco-irn.com
same-security-traffic permit inter-interface
object network AdminStation
host 192.168.41.101
object network AdminStation2
host 192.168.41.102
object network AdminStation4-bart
host 10.19.151.99
object network LMS
host 192.168.42.139
object network CSManager
host 192.168.42.133
description Cisco Security Manager

```

```

object network AdminStation3
  host 192.168.42.139
object network ActiveDirectory.cisco-irn.com
  host 192.168.42.130
object network DC-POS
  subnet 192.168.52.0 255.255.255.0
  description POS in the Data Center
object network WCSManager
  host 192.168.43.135
  description Wireless Manager
object network PAME-DC-1
  host 192.168.44.111
object network MSP-DC-1
  host 192.168.44.121
  description Data Center VSOM
object network DC-ALL
  subnet 192.168.0.0 255.255.0.0
  description All of the Data Center
object network RSA-enVision
  host 192.168.42.124
  description RSA EnVision Syslog collector and SIM
object network TACACS
  host 192.168.42.131
  description Cisco Secure ACS server for TACACS and Radius
object network RSA-AM
  host 192.168.42.137
  description RSA Authentication Manager for SecureID
object network NAC-2
  host 192.168.42.112
object network NAC-1
  host 192.168.42.111
  description ISE server for NAC
object network MS-Update
  host 192.168.42.150
  description Windows Update Server
object network MExchange
  host 192.168.42.140
  description Mail Server
object service RPC
  service tcp destination eq 135
object service LDAP-GC
  service tcp destination eq 3268
object service LDAP-GC-SSL
  service tcp destination eq 3269
object service Kerberos-TCP
  service tcp destination eq 88
object service Microsoft-DS-SMB
  service tcp destination eq 445
  description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
object service LDAP-UDP
  service udp destination eq 389
object service RPC-HighPorts
  service tcp destination range 1024 65535
object service ORACLE-OAS
  service tcp destination eq 12601
  description OAS uses one port for HTTP and RMI - 12601.
object service TOMAX-8990
  service tcp destination eq 8990
  description Tomax Application Port
object service IP-Protocol-97
  service 97
  description IP protocol 97
object service TCP1080
  service tcp destination eq 1080

```

```

object service TCP8080
  service tcp destination eq 8080
object service RDP
  service tcp destination eq 3389
  description Windows Remote Desktop
object-group network CSM_INLINE_src_rule_73014461090
  description Generated by CS-Manager from src of FirewallRule# 1 (ASA-Store_V2/mandatory)
  network-object object AdminStation
  network-object object AdminStation2
  network-object object AdminStation4-bart
object-group network Admin-Systems
  network-object object AdminStation
  network-object object AdminStation2
  network-object object CSManager
  network-object object AdminStation4-bart
  network-object object LMS
  network-object object AdminStation3
object-group network DC-POS-Tomax
  description Tomax POS Communication from Store to Data Center
  network-object 192.168.52.96 255.255.255.224
object-group network DC-POS-SAP
  description SAP POS Communication from Store to Data Center
  network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
  description Oracle POS Communication from Store to Data Center
  network-object 192.168.52.128 255.255.255.240
object-group network CSM_INLINE_src_rule_73014461184
  description Generated by CS-Manager from src of FirewallRule# 4 (ASA-Store_V2/mandatory)
  group-object DC-POS-Tomax
  network-object object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network POS-Store-MSP
  network-object 10.10.176.81 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014461438
  description Generated by CS-Manager from dst of FirewallRule# 5 (ASA-Store_V2/mandatory)
  group-object DC-POS-Tomax
  network-object object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network Store-MSP-POS-net
  network-object 10.10.176.0 255.255.255.0
  network-object 10.10.180.0 255.255.255.0
object-group network CSM_INLINE_dst_rule_73014461436
  description Generated by CS-Manager from dst of FirewallRule# 7 (ASA-Store_V2/mandatory)
  group-object DC-POS-Tomax
  network-object object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  network-object 192.168.43.21 255.255.255.255
  network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  network-object 192.168.43.31 255.255.255.255
  network-object 192.168.43.32 255.255.255.255
object-group network CSM_INLINE_src_rule_73014461098
  description Generated by CS-Manager from src of FirewallRule# 8 (ASA-Store_V2/mandatory)
  network-object object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
object-group network CSM_INLINE_src_rule_73014461100
  description Generated by CS-Manager from src of FirewallRule# 9 (ASA-Store_V2/mandatory)

```

```

network-object object PAME-DC-1
network-object object MSP-DC-1
object-group network DC-WAAS
description WAE Appliances in Data Center
network-object 192.168.48.10 255.255.255.255
network-object 192.168.49.10 255.255.255.255
network-object 192.168.47.11 255.255.255.255
network-object 192.168.47.12 255.255.255.255
object-group network NTP-Servers
description NTP Servers
network-object 192.168.62.161 255.255.255.255
network-object 162.168.62.162 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014461120
description Generated by CS-Manager from dst of FirewallRule# 17 (ASA-Store_V2/mandatory)
network-object object TACACS
network-object object RSA-AM
network-object object NAC-2
network-object object NAC-1
object-group network CSM_INLINE_dst_rule_73014461126
description Generated by CS-Manager from dst of FirewallRule# 18 (ASA-Store_V2/mandatory)
network-object object PAME-DC-1
network-object object MSP-DC-1
object-group network CSM_INLINE_dst_rule_73014461128
description Generated by CS-Manager from dst of FirewallRule# 19 (ASA-Store_V2/mandatory)
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
object-group service HTTPS-8443
service-object tcp destination eq 8443
object-group service CSM_INLINE_svc_rule_73014461092
description Generated by CS-Manager from service of FirewallRule# 2
(ASA-Store_V2/mandatory)
service-object tcp destination eq ssh
service-object tcp destination eq https
group-object HTTPS-8443
service-object udp destination eq snmp
object-group service DNS-Resolving
description Domain Name Server
service-object tcp destination eq domain
service-object udp destination eq domain
object-group service CSM_INLINE_svc_rule_73014461094
description Generated by CS-Manager from service of FirewallRule# 3
(ASA-Store_V2/mandatory)
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq ntp
service-object udp destination eq netbios-dgm
service-object object RPC
service-object object LDAP-GC
service-object object LDAP-GC-SSL
service-object object Kerberos-TCP
service-object object Microsoft-DS-SMB
service-object object LDAP-UDP
service-object object RPC-HighPorts
group-object DNS-Resolving
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
service-object tcp destination range 1300 1319
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
service-object tcp destination eq 7001
service-object tcp destination eq 7002
service-object tcp destination eq sqlnet
object-group service ORACLE-WAS

```

```

description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
service-object tcp destination eq 2809
service-object tcp destination eq 9443
service-object tcp destination eq 1414
object-group service CSM_INLINE_svc_rule_73014461184
description Generated by CS-Manager from service of FirewallRule# 4
(ASA-Store_V2/mandatory)
service-object tcp destination eq https
service-object tcp destination eq ssh
service-object object ORACLE-OAS
service-object object TOMAX-8990
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object HTTPS-8443
object-group service TFTP
description Trivial File Transfer
service-object tcp destination eq 69
service-object udp destination eq tftp
object-group service LWAPP
description LWAPP UDP ports 12222 and 12223
service-object udp destination eq 12222
service-object udp destination eq 12223
object-group service CAPWAP
description CAPWAP UDP ports 5246 and 5247
service-object udp destination eq 5246
service-object udp destination eq 5247
object-group service CSM_INLINE_svc_rule_73014461098
description Generated by CS-Manager from service of FirewallRule# 8
(ASA-Store_V2/mandatory)
service-object tcp destination eq https
service-object tcp destination eq www
service-object udp destination eq isakmp
service-object tcp destination eq telnet
service-object tcp destination eq ssh
service-object object IP-Protocol-97
group-object TFTP
group-object LWAPP
group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014461102
description Generated by CS-Manager from service of FirewallRule# 10
(ASA-Store_V2/mandatory)
service-object icmp echo
service-object icmp echo-reply
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq ssh
service-object tcp destination eq ftp
service-object object TCP1080
service-object object TCP8080
service-object object RDP
group-object HTTPS-8443
object-group service CISCO-WAAS
description Ports for Cisco WAAS
service-object tcp destination eq 4050
object-group service Netbios
description Netbios Servers
service-object udp destination eq netbios-dgm
service-object udp destination eq netbios-ns
service-object tcp destination eq netbios-ssn
object-group service CSM_INLINE_svc_rule_73014461104
description Generated by CS-Manager from service of FirewallRule# 11
(ASA-Store_V2/mandatory)
service-object object Microsoft-DS-SMB

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group-object CISCO-WAAS
group-object HTTPS-8443
group-object Netbios
object-group service CSM_INLINE_svc_rule_73014461106
description Generated by CS-Manager from service of FirewallRule# 12
(ASA-Store_V2/mandatory)
service-object tcp-udp destination eq sip
service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014461112
description Generated by CS-Manager from service of FirewallRule# 14
(ASA-Store_V2/mandatory)
service-object udp destination eq snmptrap
service-object udp destination eq snmp
service-object udp destination eq syslog
object-group service CSM_INLINE_svc_rule_73014461120
description Generated by CS-Manager from service of FirewallRule# 17
(ASA-Store_V2/mandatory)
service-object udp destination eq 1812
service-object udp destination eq 1813
service-object tcp destination eq https
service-object tcp destination eq www
group-object HTTPS-8443
object-group service Cisco-Mobility
description Mobility ports for Wireless
service-object udp destination eq 16666
service-object udp destination eq 16667
object-group service CSM_INLINE_svc_rule_73014461128
description Generated by CS-Manager from service of FirewallRule# 19
(ASA-Store_V2/mandatory)
service-object tcp destination eq https
service-object udp destination eq isakmp
service-object object IP-Protocol-97
group-object Cisco-Mobility
group-object LWAPP
group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014461130
description Generated by CS-Manager from service of FirewallRule# 20
(ASA-Store_V2/mandatory)
service-object tcp-udp destination eq sip
service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014461132
description Generated by CS-Manager from service of FirewallRule# 21
(ASA-Store_V2/mandatory)
service-object object Microsoft-DS-SMB
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Netbios
object-group service CSM_INLINE_svc_rule_73014461134
description Generated by CS-Manager from service of FirewallRule# 22
(ASA-Store_V2/mandatory)
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq ntp
service-object udp destination eq netbios-dgm
service-object object RPC
service-object object LDAP-GC
service-object object LDAP-GC-SSL
service-object object Kerberos-TCP
service-object object Microsoft-DS-SMB
service-object object LDAP-UDP
service-object object RPC-HighPorts
group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_73014461136

```

```

description Generated by CS-Manager from service of FirewallRule# 23
(ASA-Store_V2/mandatory)
service-object tcp destination eq www
service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_73014461138
description Generated by CS-Manager from service of FirewallRule# 24
(ASA-Store_V2/mandatory)
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq smtp
service-object tcp destination eq pop3
service-object tcp destination eq imap4
object-group network DM_INLINE_NETWORK_2
network-object object NAC-1
network-object object NAC-2
network-object object TACACS
object-group service DM_INLINE_SERVICE_1
service-object icmp6 echo
service-object udp destination eq ntp
object-group service DM_INLINE_SERVICE_2
service-object icmp echo
service-object tcp destination eq tacacs
object-group service DM_INLINE_SERVICE_3
service-object icmp echo
service-object udp destination eq radius
service-object udp destination eq radius-acct
object-group service DM_INLINE_SERVICE_4
service-object icmp echo
service-object udp destination eq snmp
service-object udp destination eq snmptrap
service-object udp destination eq syslog
object-group network DM_INLINE_NETWORK_3
network-object object LMS
network-object object RSA-enVision
access-list OUTSIDE remark LAB Testing
access-list OUTSIDE extended permit ip object-group CSM_INLINE_src_rule_73014461090
10.10.176.0 255.255.248.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461092
object-group Admin-Systems 10.10.176.0 255.255.24
8.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461092
object-group Admin-Systems host 10.10.255.176
access-list OUTSIDE remark Allow Active Directory Domain
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461094 object
ActiveDirectory.cisco-irn.com 10.10.176.0
255.255.248.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461184
object-group CSM_INLINE_src_rule_73014461184 obje
ct-group POS-Store-MSP
access-list OUTSIDE extended deny ip any object-group Store-MSP-POS-net
access-list OUTSIDE extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list OUTSIDE remark Wireless Management to Stores
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461098
object-group CSM_INLINE_src_rule_73014461098 10.1
0.183.0 255.255.255.0
access-list OUTSIDE remark Physical security systems
access-list OUTSIDE extended permit tcp object-group CSM_INLINE_src_rule_73014461100
10.10.191.0 255.255.255.0 eq https
access-list OUTSIDE remark Allow Management of store systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461102 object
DC-ALL 10.10.176.0 255.255.248.0
access-list OUTSIDE remark WAAS systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461104
object-group DC-WAAS 10.10.184.0 255.255.255.0

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access-list OUTSIDE remark Voice calls
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461106 object
DC-ALL 10.10.178.0 255.255.255.0
access-list OUTSIDE extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list OUTSIDE extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list OUTSIDE extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
access-list POS remark Allow Applications
access-list POS extended permit tcp object-group POS-Store-MSP object-group
CSM_INLINE_dst_rule_73014461438 eq https
access-list POS extended deny ip any object-group Store-MSP-POS-net
access-list POS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list POS extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers eq
ntp
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461120 10.10.176.0
255.255.248.0 object-group CSM_INLINE_dst
_rule_73014461120
access-list POS remark Allow Active Directory Domain
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461134 10.10.176.0
255.255.248.0 object ActiveDirectory.cisc
o-irn.com
access-list POS remark Allow Windows Updates
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461136 10.10.176.0
255.255.248.0 object MS-Update
access-list POS remark Allow Mail
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461138 10.10.176.0
255.255.248.0 object MExchange
access-list POS remark Drop all other traffic
access-list POS extended deny ip any any log
access-list WIRELESS-POS remark Allow Applications
access-list WIRELESS-POS extended permit tcp object-group POS-Store-MSP object-group
CSM_INLINE_dst_rule_73014461438 eq https
access-list WIRELESS-POS extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS-POS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list WIRELESS-POS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS-POS remark Allow Active Directory Domain
access-list WIRELESS-POS extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list WIRELESS-POS remark Allow Windows Updates
access-list WIRELESS-POS extended permit object-group CSM_INLINE_svc_rule_73014461136
10.10.176.0 255.255.248.0 object MS-Update
access-list WIRELESS-POS remark Allow Mail
access-list WIRELESS-POS extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MExchange
access-list WIRELESS-POS remark Drop all other traffic
access-list WIRELESS-POS extended deny ip any any log
access-list DATA extended deny ip any object-group Store-MSP-POS-net
access-list DATA extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list DATA extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers eq
ntp
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461120 10.10.176.0
255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list DATA remark Allow Active Directory Domain
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461134 10.10.176.0
255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list DATA remark Allow Windows Updates
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461136 10.10.176.0
255.255.248.0 object MS-Update
access-list DATA remark Allow Mail

```



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access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461138 10.10.176.0
255.255.248.0 object MSEExchange
access-list DATA remark Drop all other traffic
access-list DATA extended deny ip any any log
access-list MANAGEMENT extended deny ip any object-group Store-MSP-POS-net
access-list MANAGEMENT extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list MANAGEMENT extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list MANAGEMENT extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list MANAGEMENT extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq
tacacs
access-list MANAGEMENT extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list MANAGEMENT extended permit icmp 10.10.176.0 255.255.248.0 object-group
NTP-Servers
access-list MANAGEMENT extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list MANAGEMENT remark Physical security systems
access-list MANAGEMENT extended permit tcp 10.10.191.0 255.255.255.0 object-group
CSM_INLINE_dst_rule_73014461126 eq https
access-list MANAGEMENT remark Allow Mail
access-list MANAGEMENT extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSEExchange
access-list MANAGEMENT remark Drop all other traffic
access-list MANAGEMENT extended deny ip any any log
access-list PARTNER extended deny ip any object-group Store-MSP-POS-net
access-list PARTNER extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list PARTNER extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list PARTNER extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list PARTNER remark Allow Mail
access-list PARTNER extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSEExchange
access-list PARTNER remark Drop all other traffic
access-list PARTNER extended deny ip any any log
access-list VOICE extended deny ip any object-group Store-MSP-POS-net
access-list VOICE extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list VOICE extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461112 10.10.176.0
255.255.248.0 object RSA-enVision
access-list VOICE extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list VOICE extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461120 10.10.176.0
255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list VOICE remark Voice calls
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461130 10.10.178.0
255.255.255.0 object DC-ALL
access-list VOICE remark Allow Mail
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461138 10.10.176.0
255.255.248.0 object MSEExchange
access-list VOICE remark Drop all other traffic
access-list VOICE extended deny ip any any log
access-list WAAS extended deny ip any object-group Store-MSP-POS-net
access-list WAAS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list WAAS extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list WAAS extended permit object-group CSM_INLINE_svc_rule_73014461112 10.10.176.0
255.255.248.0 object RSA-enVision
access-list WAAS extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list WAAS extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers eq
ntp
access-list WAAS remark WAAS systems

```

```

access-list WAAS extended permit object-group CSM_INLINE_svc_rule_73014461132 10.10.184.0
255.255.255.0 object-group DC-WAAS
access-list WAAS remark Allow Active Directory Domain
access-list WAAS extended permit object-group CSM_INLINE_svc_rule_73014461134 10.10.176.0
255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list WAAS remark Drop all other traffic
access-list WAAS extended deny ip any any log
access-list WIRELESS extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list WIRELESS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS remark Allow Active Directory Domain
access-list WIRELESS extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list WIRELESS remark Allow Windows Updates
access-list WIRELESS extended permit object-group CSM_INLINE_svc_rule_73014461136
10.10.176.0 255.255.248.0 object MS-Update
access-list WIRELESS remark Allow Mail
access-list WIRELESS extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list WIRELESS remark Drop all other traffic
access-list WIRELESS extended deny ip any any log
access-list WIRELESS-CONTROL extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS-CONTROL extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list WIRELESS-CONTROL extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq
ssh
access-list WIRELESS-CONTROL extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list WIRELESS-CONTROL extended permit tcp 10.10.176.0 255.255.248.0 object TACACS
eq tacacs
access-list WIRELESS-CONTROL extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS-CONTROL extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list WIRELESS-CONTROL remark Wireless control systems
access-list WIRELESS-CONTROL extended permit object-group CSM_INLINE_svc_rule_73014461128
10.10.183.0 255.255.255.0 object-group CSM_INLINE_dst_rule_73014461128
access-list WIRELESS-CONTROL remark Drop all other traffic
access-list WIRELESS-CONTROL extended deny ip any any log
access-list WIRELESS-GUEST extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS-GUEST extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list WIRELESS-GUEST extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS-GUEST remark Drop all other traffic
access-list WIRELESS-GUEST extended deny ip any any log
access-list DROP-ALL extended deny ip any any log disable
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_1
10.10.191.0 255.255.255.0 object-group NTP-Servers log disable
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_2
10.10.191.0 255.255.255.0 object TACACS
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_3
10.10.191.0 255.255.255.0 object-group DM_INLINE_NETWORK_2 log disable
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_4
10.10.191.0 255.255.255.0 object-group DM_INLINE_NETWORK_3 log disable
access-list MANAGEMENT_access_in extended deny ip any any
pager lines 24
logging enable
logging timestamp
logging buffer-size 100000
logging trap informational
logging asdm informational
logging host MSP-WAN 192.168.42.124

```

```

mtu MSP-WAN 1500
mtu POS 1500
mtu DATA 1500
mtu VOICE 1500
mtu WIRELESS 1500
mtu WIRELESS-POS 1500
mtu PARTNER 1500
mtu WIRELESS-GUEST 1500
mtu WIRELESS-CONTROL 1500
mtu WAAS 1500
mtu MANAGEMENT 1500
mtu IPS-Mgmt 1500
no failover
icmp unreachable rate-limit 1 burst-size 1
icmp permit any MSP-WAN
icmp permit any POS
icmp permit any DATA
icmp permit any VOICE
icmp permit any WIRELESS
icmp permit any WIRELESS-POS
icmp permit any PARTNER
icmp permit any WIRELESS-GUEST
icmp permit any WIRELESS-CONTROL
icmp permit any WAAS
icmp permit any MANAGEMENT
asdm image disk0:/asdm-70040.bin
asdm history enable
arp timeout 14400
no arp permit-nonconnected
access-group OUTSIDE in interface MSP-WAN
access-group POS in interface POS
access-group DATA in interface DATA
access-group VOICE in interface VOICE
access-group WIRELESS in interface WIRELESS
access-group WIRELESS-POS in interface WIRELESS-POS
access-group PARTNER in interface PARTNER
access-group WIRELESS-GUEST in interface WIRELESS-GUEST
access-group WIRELESS-CONTROL in interface WIRELESS-CONTROL
access-group WAAS in interface WAAS
access-group MANAGEMENT_access_in in interface MANAGEMENT
access-group DROP-ALL in interface IPS-Mgmt
route MSP-WAN 0.0.0.0 0.0.0.0 10.10.255.11 1
timeout xlate 3:00:00
timeout pat-xlate 0:00:30
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (MANAGEMENT) host 192.168.42.131
key *****
aaa-server COMPLIANCE protocol tacacs+
aaa-server COMPLIANCE (MSP-WAN) host 192.168.42.131
key *****
user-identity default-domain LOCAL
aaa authentication enable console COMPLIANCE LOCAL
aaa authentication http console COMPLIANCE LOCAL
aaa authentication ssh console COMPLIANCE LOCAL
aaa authorization command COMPLIANCE LOCAL
aaa accounting enable console COMPLIANCE
aaa accounting ssh console COMPLIANCE

```

```

aaa accounting command privilege 15 COMPLIANCE
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 15
http 192.168.41.101 255.255.255.255 MSP-WAN
http 192.168.41.102 255.255.255.255 MSP-WAN
http 192.168.42.122 255.255.255.255 MSP-WAN
http 192.168.42.124 255.255.255.255 MSP-WAN
http 192.168.42.133 255.255.255.255 MSP-WAN
http 192.168.42.138 255.255.255.255 MSP-WAN
http 192.168.42.139 255.255.255.255 MSP-WAN
http 192.168.42.134 255.255.255.255 MSP-WAN
snmp-server group V3Group v3 priv
snmp-server user ciscolms V3Group v3 encrypted auth sha
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db priv aes 256
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db:88:e3:53:03:7b:f1:02:30:bc:14:
98:e5
snmp-server user csmadmin V3Group v3 encrypted auth sha
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db priv aes 256
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db:88:e3:53:03:7b:f1:02:30:bc:14:
98:e5
snmp-server host MSP-WAN 192.168.42.134 version 3 ciscolms
snmp-server host MSP-WAN 192.168.42.139 version 3 ciscolms
snmp-server host MSP-WAN 192.168.42.133 version 3 csmadmin
snmp-server location Building SJC-17-1 Aisle 2 Rack 3
snmp-server contact Bart McGlothin
snmp-server enable traps snmp authentication linkup linkdown coldstart warmstart
snmp-server enable traps syslog
snmp-server enable traps ipsec start stop
snmp-server enable traps memory-threshold
snmp-server enable traps interface-threshold
snmp-server enable traps remote-access session-threshold-exceeded
snmp-server enable traps connection-limit-reached
snmp-server enable traps cpu threshold rising
snmp-server enable traps ikev2 start stop
snmp-server enable traps nat packet-discard
crypto ipsec security-association pmtu-aging infinite
crypto ca trustpool policy
telnet timeout 5
ssh scopy enable
ssh 192.168.41.101 255.255.255.255 MSP-WAN
ssh 192.168.41.102 255.255.255.255 MSP-WAN
ssh 192.168.42.122 255.255.255.255 MSP-WAN
ssh 192.168.42.124 255.255.255.255 MSP-WAN
ssh 192.168.42.133 255.255.255.255 MSP-WAN
ssh 192.168.42.138 255.255.255.255 MSP-WAN
ssh 192.168.42.139 255.255.255.255 MSP-WAN
ssh 192.168.42.134 255.255.255.255 MSP-WAN
ssh timeout 15
ssh version 2
console timeout 15
dhcprelay server 192.168.42.130 MSP-WAN
dhcprelay enable POS
dhcprelay enable DATA
dhcprelay enable VOICE
dhcprelay enable WIRELESS
dhcprelay enable WIRELESS-POS
dhcprelay enable PARTNER
dhcprelay enable WIRELESS-GUEST
dhcprelay enable WIRELESS-CONTROL
dhcprelay timeout 60

```

```

threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source MSP-WAN
ntp server 192.168.62.161 source MSP-WAN prefer
ssl encryption aes128-sha1 aes256-sha1 3des-sha1
webvpn
  anyconnect-essentials
username csmadmin password 9CmOJ.jq4D54PXDW encrypted privilege 15
username retail password XgJyMnijuEPQSGoY encrypted privilege 15
username jchambers password zkGq5ojduHyZK1bA encrypted privilege 15
username ciscolms password huo2PmvTsMk6Cv1L encrypted privilege 15
username bmcgloth password gITSY3iZ3UnCQoKf encrypted privilege 15
!
class-map inspection_default
  match default-inspection-traffic
class-map global-class-PCI
  match any
!
!
policy-map type inspect dns preset_dns_map
  parameters
    message-length maximum client auto
    message-length maximum 512
policy-map global_policy
  description IPS inspection policy for Cisco PCI LAB
  class inspection_default
    inspect dns preset_dns_map
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect rsh
    inspect rtsp
    inspect esmtp
    inspect sqlnet
    inspect skinny
    inspect sunrpc
    inspect xdmcp
    inspect sip
    inspect netbios
    inspect tftp
    inspect ip-options
  class global-class-PCI
    ips inline fail-close
  class class-default
    ips promiscuous fail-open
!
service-policy global_policy global
prompt hostname context
no call-home reporting anonymous
call-home
  profile CiscoTAC-1
  no active
  destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
  destination address email callhome@cisco.com
  destination transport-method http
  subscribe-to-alert-group diagnostic
  subscribe-to-alert-group environment
  subscribe-to-alert-group inventory periodic monthly
  subscribe-to-alert-group configuration periodic monthly
  subscribe-to-alert-group telemetry periodic daily
password encryption aes
Cryptochecksum:0c17bedaf99e8d7c1ce43105b2a7d2c5
: end

```

```

FW-A2-FW-A2-MSP-1# sh ver

Cisco Adaptive Security Appliance Software Version 9.0(0)129
Device Manager Version 7.0(0)40

Compiled on Wed 03-Oct-12 14:19 PDT by builders
System image file is "disk0:/asa900-129-smp-k8.bin"
Config file at boot was "startup-config"

FW-A2-MSP-1 up 97 days 23 hours

Hardware:   ASA5515, 8192 MB RAM, CPU Clarkdale 3058 MHz, 1 CPU (4 cores)
           ASA: 4096 MB RAM, 1 CPU (1 core)
Internal ATA Compact Flash, 8192MB
BIOS Flash MX25L6445E @ 0xffbb0000, 8192KB

Encryption hardware device : Cisco ASA-55xx on-board accelerator (revision 0x1)
                          Boot microcode       : CNPx-MC-BOOT-2.00
                          SSL/IKE microcode    : CNPx-MC-SSL-PLUS-T020
                          IPsec microcode      : CNPx-MC-IPSEC-MAIN-0022
                          Number of accelerators: 1
Baseboard Management Controller (revision 0x1) Firmware Version: 2.4

0: Int: Internal-Data0/0      : address is d48c.b54d.9520, irq 11
1: Ext: GigabitEthernet0/0    : address is d48c.b54d.9524, irq 10
2: Ext: GigabitEthernet0/1    : address is d48c.b54d.9521, irq 10
3: Ext: GigabitEthernet0/2    : address is d48c.b54d.9525, irq 5
4: Ext: GigabitEthernet0/3    : address is d48c.b54d.9522, irq 5
5: Ext: GigabitEthernet0/4    : address is d48c.b54d.9526, irq 10
6: Ext: GigabitEthernet0/5    : address is d48c.b54d.9523, irq 10
7: Int: Internal-Data0/1      : address is 0000.0001.0002, irq 0
8: Int: Internal-Control0/0   : address is 0000.0001.0001, irq 0
9: Int: Internal-Data0/2      : address is 0000.0001.0003, irq 0
10: Ext: Management0/0        : address is d48c.b54d.9520, irq 0

Licensed features for this platform:
Maximum Physical Interfaces      : Unlimited      perpetual
Maximum VLANs                   : 100            perpetual
Inside Hosts                    : Unlimited      perpetual
Failover                        : Active/Active  perpetual
Encryption-DES                  : Enabled      perpetual
Encryption-3DES-AES             : Enabled      perpetual
Security Contexts               : 5            perpetual
GTP/GPRS                        : Disabled     perpetual
AnyConnect Premium Peers        : 10           perpetual
AnyConnect Essentials           : 250          perpetual
Other VPN Peers                 : 250          perpetual
Total VPN Peers                 : 250          perpetual
Shared License                  : Disabled     perpetual
AnyConnect for Mobile           : Enabled      perpetual
AnyConnect for Cisco VPN Phone  : Enabled      perpetual
Advanced Endpoint Assessment    : Enabled      perpetual
UC Phone Proxy Sessions         : 2            perpetual
Total UC Proxy Sessions         : 2            perpetual
Botnet Traffic Filter           : Disabled     perpetual
Intercompany Media Engine       : Enabled      perpetual
IPS Module                      : Enabled      perpetual
Cluster                        : Disabled     perpetual

This platform has an ASA 5515 Security Plus license.

Serial Number: FCH162771K6
Running Permanent Activation Key: 0xbb3ac554 0x607ed951 0x5d428d70 0xcec038dc 0x0d09f584

```

```
Configuration register is 0x1
Configuration last modified by bmcgloth at 13:15:34.337 PST Fri Dec 21 2012
FW-A2-MSP-1#
FW-A2-MSP-1#
FW-A2-MSP-1#
FW-A2-MSP-1#
FW-A2-MSP-1# sh run
: Saved
:
ASA Version 9.0(0)129
!
terminal width 511
hostname FW-A2-MSP-1
domain-name cisco-irn.com
enable password WKlYt0jXwtQLFcZ7 encrypted
passwd WKlYt0jXwtQLFcZ7 encrypted
names
dns-guard
!
interface GigabitEthernet0/0
 nameif MSP-WAN
 security-level 0
 ip address 10.10.255.176 255.255.255.0
!
interface GigabitEthernet0/1
 no nameif
 no security-level
 no ip address
!
interface GigabitEthernet0/1.11
 vlan 11
 nameif POS
 security-level 95
 ip address 10.10.176.1 255.255.255.0
!
interface GigabitEthernet0/1.12
 vlan 12
 nameif DATA
 security-level 85
 ip address 10.10.177.1 255.255.255.0
!
interface GigabitEthernet0/1.13
 vlan 13
 nameif VOICE
 security-level 80
 ip address 10.10.178.1 255.255.255.0
!
interface GigabitEthernet0/1.14
 vlan 14
 nameif WIRELESS
 security-level 70
 ip address 10.10.179.1 255.255.255.0
!
interface GigabitEthernet0/1.15
 vlan 15
 nameif WIRELESS-POS
 security-level 90
 ip address 10.10.180.1 255.255.255.0
!
interface GigabitEthernet0/1.16
 vlan 16
 nameif PARTNER
 security-level 65
 ip address 10.10.181.1 255.255.255.0
```

```

!
interface GigabitEthernet0/1.17
vlan 17
nameif WIRELESS-GUEST
security-level 10
ip address 10.10.182.1 255.255.255.0
!
interface GigabitEthernet0/1.18
vlan 18
nameif WIRELESS-CONTROL
security-level 75
ip address 10.10.183.1 255.255.255.0
!
interface GigabitEthernet0/1.19
vlan 19
nameif WAAS
security-level 100
ip address 10.10.184.1 255.255.255.0
!
interface GigabitEthernet0/1.1000
vlan 1000
nameif MANAGEMENT
security-level 100
ip address 10.10.191.1 255.255.255.0
!
interface GigabitEthernet0/2
shutdown
no nameif
no security-level
no ip address
!
interface GigabitEthernet0/3
shutdown
no nameif
no security-level
no ip address
!
interface GigabitEthernet0/4
shutdown
no nameif
no security-level
no ip address
!
interface GigabitEthernet0/5
shutdown
no nameif
no security-level
no ip address
!
interface Management0/0
description IPS management connection
management-only
nameif IPS-Mgmt
security-level 1
no ip address
!
banner exec WARNING:
banner exec **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner exec                **** AUTHORIZED USERS ONLY! ****
banner exec
banner exec ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
banner exec TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE
NECESSARY
banner exec TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER

```



```
banner exec REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME
WITHOUT
banner exec FURTHER NOTICE OR CONSENT. UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
banner exec CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
banner exec ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.
banner exec
banner exec UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS.
banner login WARNING:
banner login THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
banner asdm WARNING:
banner asdm **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF COMPLIANCE ****
banner asdm **** AUTHORIZED USERS ONLY! ****
banner asdm
banner asdm ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH AD
DITIONAL MONITORING AS MAY BE NECESSARY TO IDENTIFY ANY UNAUTHORIZED USER. THE SYSTEM
ADMINISTRATOR OR OTHER REPRESENTATIVES OF T
HE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT FURTHER NOTICE OR CONSENT.
UNAUTHORIZED USE OF THIS SYSTEM AND ANY O
THER CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW ENFORCEMENT
OFFICIALS AND PROSECUTION TO THE F
banner asdm
banner asdm UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL
LAWS
boot system disk0:/asa900-129-smp-k8.bin
ftp mode passive
clock timezone PST -8
clock summer-time PDT recurring
dns domain-lookup MSP-WAN
dns server-group DefaultDNS
name-server 192.168.42.130
domain-name cisco-irn.com
same-security-traffic permit inter-interface
object network AdminStation
host 192.168.41.101
object network AdminStation2
host 192.168.41.102
object network AdminStation4-bart
host 10.19.151.99
object network LMS
host 192.168.42.139
object network CSManager
host 192.168.42.133
description Cisco Security Manager
object network AdminStation3
host 192.168.42.139
object network ActiveDirectory.cisco-irn.com
host 192.168.42.130
object network DC-POS
subnet 192.168.52.0 255.255.255.0
description POS in the Data Center
object network WCSManager
host 192.168.43.135
description Wireless Manager
object network PAME-DC-1
host 192.168.44.111
object network MSP-DC-1
host 192.168.44.121
description Data Center VSOM
object network DC-ALL
subnet 192.168.0.0 255.255.0.0
description All of the Data Center
object network RSA-enVision
```

```

host 192.168.42.124
description RSA EnVision Syslog collector and SIM
object network TACACS
host 192.168.42.131
description Cisco Secure ACS server for TACACS and Radius
object network RSA-AM
host 192.168.42.137
description RSA Authentication Manager for SecureID
object network NAC-2
host 192.168.42.112
object network NAC-1
host 192.168.42.111
description ISE server for NAC
object network MS-Update
host 192.168.42.150
description Windows Update Server
object network MExchange
host 192.168.42.140
description Mail Server
object service RPC
service tcp destination eq 135
object service LDAP-GC
service tcp destination eq 3268
object service LDAP-GC-SSL
service tcp destination eq 3269
object service Kerberos-TCP
service tcp destination eq 88
object service Microsoft-DS-SMB
service tcp destination eq 445
description Microsoft-DS Active Directory, Windows shares Microsoft-DS SMB file sharing
object service LDAP-UDP
service udp destination eq 389
object service RPC-HighPorts
service tcp destination range 1024 65535
object service ORACLE-OAS
service tcp destination eq 12601
description OAS uses one port for HTTP and RMI - 12601.
object service TOMAX-8990
service tcp destination eq 8990
description Tomax Application Port
object service IP-Protocol-97
service 97
description IP protocol 97
object service TCP1080
service tcp destination eq 1080
object service TCP8080
service tcp destination eq 8080
object service RDP
service tcp destination eq 3389
description Windows Remote Desktop
object-group network CSM_INLINE_src_rule_73014461090
description Generated by CS-Manager from src of FirewallRule# 1 (ASA-Store_V2/mandatory)
network-object object AdminStation
network-object object AdminStation2
network-object object AdminStation4-bart
object-group network Admin-Systems
network-object object AdminStation
network-object object AdminStation2
network-object object CSManager
network-object object AdminStation4-bart
network-object object LMS
network-object object AdminStation3
object-group network DC-POS-Tomax
description Tomax POS Communication from Store to Data Center

```

```

network-object 192.168.52.96 255.255.255.224
object-group network DC-POS-SAP
  description SAP POS Communication from Store to Data Center
  network-object 192.168.52.144 255.255.255.240
object-group network DC-POS-Oracle
  description Oracle POS Communication from Store to Data Center
  network-object 192.168.52.128 255.255.255.240
object-group network CSM_INLINE_src_rule_73014461184
  description Generated by CS-Manager from src of FirewallRule# 4 (ASA-Store_V2/mandatory)
  group-object DC-POS-Tomax
  network-object object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network POS-Store-MSP
  network-object 10.10.176.81 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014461438
  description Generated by CS-Manager from dst of FirewallRule# 5 (ASA-Store_V2/mandatory)
  group-object DC-POS-Tomax
  network-object object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network Store-MSP-POS-net
  network-object 10.10.176.0 255.255.255.0
  network-object 10.10.180.0 255.255.255.0
object-group network CSM_INLINE_dst_rule_73014461436
  description Generated by CS-Manager from dst of FirewallRule# 7 (ASA-Store_V2/mandatory)
  group-object DC-POS-Tomax
  network-object object DC-POS
  group-object DC-POS-SAP
  group-object DC-POS-Oracle
object-group network DC-Wifi-Controllers
  description Central Wireless Controllers for stores
  network-object 192.168.43.21 255.255.255.255
  network-object 192.168.43.22 255.255.255.255
object-group network DC-Wifi-MSE
  description Mobility Service Engines
  network-object 192.168.43.31 255.255.255.255
  network-object 192.168.43.32 255.255.255.255
object-group network CSM_INLINE_src_rule_73014461098
  description Generated by CS-Manager from src of FirewallRule# 8 (ASA-Store_V2/mandatory)
  network-object object WCSManager
  group-object DC-Wifi-Controllers
  group-object DC-Wifi-MSE
object-group network CSM_INLINE_src_rule_73014461100
  description Generated by CS-Manager from src of FirewallRule# 9 (ASA-Store_V2/mandatory)
  network-object object PAME-DC-1
  network-object object MSP-DC-1
object-group network DC-WAAS
  description WAE Appliances in Data Center
  network-object 192.168.48.10 255.255.255.255
  network-object 192.168.49.10 255.255.255.255
  network-object 192.168.47.11 255.255.255.255
  network-object 192.168.47.12 255.255.255.255
object-group network NTP-Servers
  description NTP Servers
  network-object 192.168.62.161 255.255.255.255
  network-object 162.168.62.162 255.255.255.255
object-group network CSM_INLINE_dst_rule_73014461120
  description Generated by CS-Manager from dst of FirewallRule# 17 (ASA-Store_V2/mandatory)
  network-object object TACACS
  network-object object RSA-AM
  network-object object NAC-2
  network-object object NAC-1
object-group network CSM_INLINE_dst_rule_73014461126

```

```

description Generated by CS-Manager from dst of FirewallRule# 18 (ASA-Store_V2/mandatory)
network-object object PAME-DC-1
network-object object MSP-DC-1
object-group network CSM_INLINE_dst_rule_73014461128
description Generated by CS-Manager from dst of FirewallRule# 19 (ASA-Store_V2/mandatory)
group-object DC-Wifi-Controllers
group-object DC-Wifi-MSE
object-group service HTTPS-8443
service-object tcp destination eq 8443
object-group service CSM_INLINE_svc_rule_73014461092
description Generated by CS-Manager from service of FirewallRule# 2
(ASA-Store_V2/mandatory)
service-object tcp destination eq ssh
service-object tcp destination eq https
group-object HTTPS-8443
service-object udp destination eq snmp
object-group service DNS-Resolving
description Domain Name Server
service-object tcp destination eq domain
service-object udp destination eq domain
object-group service CSM_INLINE_svc_rule_73014461094
description Generated by CS-Manager from service of FirewallRule# 3
(ASA-Store_V2/mandatory)
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq ntp
service-object udp destination eq netbios-dgm
service-object object RPC
service-object object LDAP-GC
service-object object LDAP-GC-SSL
service-object object Kerberos-TCP
service-object object Microsoft-DS-SMB
service-object object LDAP-UDP
service-object object RPC-HighPorts
group-object DNS-Resolving
object-group service ORACLE-RMI
description RMI TCP ports 1300 and 1301-1319.
service-object tcp destination range 1300 1319
object-group service ORACLE-Weblogic
description HTTP/RMI and HTTPS/RMI-SSL 7001 & 7002. OracleAQ uses 1521.
service-object tcp destination eq 7001
service-object tcp destination eq 7002
service-object tcp destination eq sqlnet
object-group service ORACLE-WAS
description RMI/IIOP over 2809 HTTP over 9443 IBM-MQ 1414
service-object tcp destination eq 2809
service-object tcp destination eq 9443
service-object tcp destination eq 1414
object-group service CSM_INLINE_svc_rule_73014461184
description Generated by CS-Manager from service of FirewallRule# 4
(ASA-Store_V2/mandatory)
service-object tcp destination eq https
service-object tcp destination eq ssh
service-object object ORACLE-OAS
service-object object TOMAX-8990
group-object ORACLE-RMI
group-object ORACLE-Weblogic
group-object ORACLE-WAS
group-object HTTPS-8443
object-group service TFTP
description Trivial File Transfer
service-object tcp destination eq 69
service-object udp destination eq tftp

```

```

object-group service LWAPP
  description LWAPP UDP ports 12222 and 12223
  service-object udp destination eq 12222
  service-object udp destination eq 12223
object-group service CAPWAP
  description CAPWAP UDP ports 5246 and 5247
  service-object udp destination eq 5246
  service-object udp destination eq 5247
object-group service CSM_INLINE_svc_rule_73014461098
  description Generated by CS-Manager from service of FirewallRule# 8
  (ASA-Store_V2/mandatory)
  service-object tcp destination eq https
  service-object tcp destination eq www
  service-object udp destination eq isakmp
  service-object tcp destination eq telnet
  service-object tcp destination eq ssh
  service-object object IP-Protocol-97
  group-object TFTP
  group-object LWAPP
  group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014461102
  description Generated by CS-Manager from service of FirewallRule# 10
  (ASA-Store_V2/mandatory)
  service-object icmp echo
  service-object icmp echo-reply
  service-object tcp destination eq www
  service-object tcp destination eq https
  service-object tcp destination eq ssh
  service-object tcp destination eq ftp
  service-object object TCP1080
  service-object object TCP8080
  service-object object RDP
  group-object HTTPS-8443
object-group service CISCO-WAAS
  description Ports for Cisco WAAS
  service-object tcp destination eq 4050
object-group service Netbios
  description Netbios Servers
  service-object udp destination eq netbios-dgm
  service-object udp destination eq netbios-ns
  service-object tcp destination eq netbios-ssn
object-group service CSM_INLINE_svc_rule_73014461104
  description Generated by CS-Manager from service of FirewallRule# 11
  (ASA-Store_V2/mandatory)
  service-object object Microsoft-DS-SMB
  group-object CISCO-WAAS
  group-object HTTPS-8443
  group-object Netbios
object-group service CSM_INLINE_svc_rule_73014461106
  description Generated by CS-Manager from service of FirewallRule# 12
  (ASA-Store_V2/mandatory)
  service-object tcp-udp destination eq sip
  service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014461112
  description Generated by CS-Manager from service of FirewallRule# 14
  (ASA-Store_V2/mandatory)
  service-object udp destination eq snmptrap
  service-object udp destination eq snmp
  service-object udp destination eq syslog
object-group service CSM_INLINE_svc_rule_73014461120
  description Generated by CS-Manager from service of FirewallRule# 17
  (ASA-Store_V2/mandatory)
  service-object udp destination eq 1812
  service-object udp destination eq 1813

```

```

service-object tcp destination eq https
service-object tcp destination eq www
group-object HTTPS-8443
object-group service Cisco-Mobility
description Mobility ports for Wireless
service-object udp destination eq 16666
service-object udp destination eq 16667
object-group service CSM_INLINE_svc_rule_73014461128
description Generated by CS-Manager from service of FirewallRule# 19
(ASA-Store_V2/mandatory)
service-object tcp destination eq https
service-object udp destination eq isakmp
service-object object IP-Protocol-97
group-object Cisco-Mobility
group-object LWAPP
group-object CAPWAP
object-group service CSM_INLINE_svc_rule_73014461130
description Generated by CS-Manager from service of FirewallRule# 20
(ASA-Store_V2/mandatory)
service-object tcp-udp destination eq sip
service-object tcp destination eq 2000
object-group service CSM_INLINE_svc_rule_73014461132
description Generated by CS-Manager from service of FirewallRule# 21
(ASA-Store_V2/mandatory)
service-object object Microsoft-DS-SMB
group-object CISCO-WAAS
group-object HTTPS-8443
group-object Netbios
object-group service CSM_INLINE_svc_rule_73014461134
description Generated by CS-Manager from service of FirewallRule# 22
(ASA-Store_V2/mandatory)
service-object tcp destination eq ldap
service-object tcp destination eq ldaps
service-object udp destination eq 88
service-object udp destination eq ntp
service-object udp destination eq netbios-dgm
service-object object RPC
service-object object LDAP-GC
service-object object LDAP-GC-SSL
service-object object Kerberos-TCP
service-object object Microsoft-DS-SMB
service-object object LDAP-UDP
service-object object RPC-HighPorts
group-object DNS-Resolving
object-group service CSM_INLINE_svc_rule_73014461136
description Generated by CS-Manager from service of FirewallRule# 23
(ASA-Store_V2/mandatory)
service-object tcp destination eq www
service-object tcp destination eq https
object-group service CSM_INLINE_svc_rule_73014461138
description Generated by CS-Manager from service of FirewallRule# 24
(ASA-Store_V2/mandatory)
service-object tcp destination eq www
service-object tcp destination eq https
service-object tcp destination eq smtp
service-object tcp destination eq pop3
service-object tcp destination eq imap4
object-group network DM_INLINE_NETWORK_2
network-object object NAC-1
network-object object NAC-2
network-object object TACACS
object-group service DM_INLINE_SERVICE_1
service-object icmp6 echo
service-object udp destination eq ntp

```

```

object-group service DM_INLINE_SERVICE_2
  service-object icmp echo
  service-object tcp destination eq tacacs
object-group service DM_INLINE_SERVICE_3
  service-object icmp echo
  service-object udp destination eq radius
  service-object udp destination eq radius-acct
object-group service DM_INLINE_SERVICE_4
  service-object icmp echo
  service-object udp destination eq snmp
  service-object udp destination eq snmptrap
  service-object udp destination eq syslog
object-group network DM_INLINE_NETWORK_3
  network-object object LMS
  network-object object RSA-enVision
access-list OUTSIDE remark LAB Testing
access-list OUTSIDE extended permit ip object-group CSM_INLINE_src_rule_73014461090
10.10.176.0 255.255.248.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461092
object-group Admin-Systems 10.10.176.0 255.255.24
8.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461092
object-group Admin-Systems host 10.10.255.176
access-list OUTSIDE remark Allow Active Directory Domain
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461094 object
ActiveDirectory.cisco-irn.com 10.10.176.0
255.255.248.0
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461184
object-group CSM_INLINE_src_rule_73014461184 obje
ct-group POS-Store-MSP
access-list OUTSIDE extended deny ip any object-group Store-MSP-POS-net
access-list OUTSIDE extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list OUTSIDE remark Wireless Management to Stores
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461098
object-group CSM_INLINE_src_rule_73014461098 10.1
0.183.0 255.255.255.0
access-list OUTSIDE remark Physical security systems
access-list OUTSIDE extended permit tcp object-group CSM_INLINE_src_rule_73014461100
10.10.191.0 255.255.255.0 eq https
access-list OUTSIDE remark Allow Management of store systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461102 object
DC-ALL 10.10.176.0 255.255.248.0
access-list OUTSIDE remark WAAS systems
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461104
object-group DC-WAAS 10.10.184.0 255.255.255.0
access-list OUTSIDE remark Voice calls
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461106 object
DC-ALL 10.10.178.0 255.255.255.0
access-list OUTSIDE extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list OUTSIDE extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list OUTSIDE extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list OUTSIDE extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list OUTSIDE remark Drop all other traffic
access-list OUTSIDE extended deny ip any any log
access-list POS remark Allow Applications
access-list POS extended permit tcp object-group POS-Store-MSP object-group
CSM_INLINE_dst_rule_73014461438 eq https
access-list POS extended deny ip any object-group Store-MSP-POS-net
access-list POS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list POS extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers eq
ntp

```

```

access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461120 10.10.176.0
255.255.248.0 object-group CSM_INLINE_dst
_rule_73014461120
access-list POS remark Allow Active Directory Domain
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461134 10.10.176.0
255.255.248.0 object ActiveDirectory.cisc
o-irn.com
access-list POS remark Allow Windows Updates
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461136 10.10.176.0
255.255.248.0 object MS-Update
access-list POS remark Allow Mail
access-list POS extended permit object-group CSM_INLINE_svc_rule_73014461138 10.10.176.0
255.255.248.0 object MExchange
access-list POS remark Drop all other traffic
access-list POS extended deny ip any any log
access-list WIRELESS-POS remark Allow Applications
access-list WIRELESS-POS extended permit tcp object-group POS-Store-MSP object-group
CSM_INLINE_dst_rule_73014461438 eq https
access-list WIRELESS-POS extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS-POS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list WIRELESS-POS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS-POS remark Allow Active Directory Domain
access-list WIRELESS-POS extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list WIRELESS-POS remark Allow Windows Updates
access-list WIRELESS-POS extended permit object-group CSM_INLINE_svc_rule_73014461136
10.10.176.0 255.255.248.0 object MS-Update
access-list WIRELESS-POS remark Allow Mail
access-list WIRELESS-POS extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MExchange
access-list WIRELESS-POS remark Drop all other traffic
access-list WIRELESS-POS extended deny ip any any log
access-list DATA extended deny ip any object-group Store-MSP-POS-net
access-list DATA extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list DATA extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers eq
ntp
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461120 10.10.176.0
255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list DATA remark Allow Active Directory Domain
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461134 10.10.176.0
255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list DATA remark Allow Windows Updates
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461136 10.10.176.0
255.255.248.0 object MS-Update
access-list DATA remark Allow Mail
access-list DATA extended permit object-group CSM_INLINE_svc_rule_73014461138 10.10.176.0
255.255.248.0 object MExchange
access-list DATA remark Drop all other traffic
access-list DATA extended deny ip any any log
access-list MANAGEMENT extended deny ip any object-group Store-MSP-POS-net
access-list MANAGEMENT extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list MANAGEMENT extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list MANAGEMENT extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list MANAGEMENT extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq
tacacs
access-list MANAGEMENT extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list MANAGEMENT extended permit icmp 10.10.176.0 255.255.248.0 object-group
NTP-Servers
access-list MANAGEMENT extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list MANAGEMENT remark Physical security systems

```



```

access-list MANAGEMENT extended permit tcp 10.10.191.0 255.255.255.0 object-group
CSM_INLINE_dst_rule_73014461126 eq https
access-list MANAGEMENT remark Allow Mail
access-list MANAGEMENT extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list MANAGEMENT remark Drop all other traffic
access-list MANAGEMENT extended deny ip any any log
access-list PARTNER extended deny ip any object-group Store-MSP-POS-net
access-list PARTNER extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list PARTNER extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list PARTNER extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list PARTNER remark Allow Mail
access-list PARTNER extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list PARTNER remark Drop all other traffic
access-list PARTNER extended deny ip any any log
access-list VOICE extended deny ip any object-group Store-MSP-POS-net
access-list VOICE extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list VOICE extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461112 10.10.176.0
255.255.248.0 object RSA-enVision
access-list VOICE extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list VOICE extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers
eq ntp
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461120 10.10.176.0
255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list VOICE remark Voice calls
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461130 10.10.178.0
255.255.255.0 object DC-ALL
access-list VOICE remark Allow Mail
access-list VOICE extended permit object-group CSM_INLINE_svc_rule_73014461138 10.10.176.0
255.255.248.0 object MSExchange
access-list VOICE remark Drop all other traffic
access-list VOICE extended deny ip any any log
access-list WAAS extended deny ip any object-group Store-MSP-POS-net
access-list WAAS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list WAAS extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq ssh
access-list WAAS extended permit object-group CSM_INLINE_svc_rule_73014461112 10.10.176.0
255.255.248.0 object RSA-enVision
access-list WAAS extended permit tcp 10.10.176.0 255.255.248.0 object TACACS eq tacacs
access-list WAAS extended permit udp 10.10.176.0 255.255.248.0 object-group NTP-Servers eq
ntp
access-list WAAS remark WAAS systems
access-list WAAS extended permit object-group CSM_INLINE_svc_rule_73014461132 10.10.184.0
255.255.255.0 object-group DC-WAAS
access-list WAAS remark Allow Active Directory Domain
access-list WAAS extended permit object-group CSM_INLINE_svc_rule_73014461134 10.10.176.0
255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list WAAS remark Drop all other traffic
access-list WAAS extended deny ip any any log
access-list WIRELESS extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS extended deny ip any object-group CSM_INLINE_dst_rule_73014461436
access-list WIRELESS extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS remark Allow Active Directory Domain
access-list WIRELESS extended permit object-group CSM_INLINE_svc_rule_73014461134
10.10.176.0 255.255.248.0 object ActiveDirectory.cisco-irn.com
access-list WIRELESS remark Allow Windows Updates
access-list WIRELESS extended permit object-group CSM_INLINE_svc_rule_73014461136
10.10.176.0 255.255.248.0 object MS-Update
access-list WIRELESS remark Allow Mail

```

```

access-list WIRELESS extended permit object-group CSM_INLINE_svc_rule_73014461138
10.10.176.0 255.255.248.0 object MSExchange
access-list WIRELESS remark Drop all other traffic
access-list WIRELESS extended deny ip any any log
access-list WIRELESS-CONTROL extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS-CONTROL extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list WIRELESS-CONTROL extended permit tcp 10.10.176.0 255.255.248.0 object LMS eq
ssh
access-list WIRELESS-CONTROL extended permit object-group CSM_INLINE_svc_rule_73014461112
10.10.176.0 255.255.248.0 object RSA-enVision
access-list WIRELESS-CONTROL extended permit tcp 10.10.176.0 255.255.248.0 object TACACS
eq tacacs
access-list WIRELESS-CONTROL extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS-CONTROL extended permit object-group CSM_INLINE_svc_rule_73014461120
10.10.176.0 255.255.248.0 object-group CSM_INLINE_dst_rule_73014461120
access-list WIRELESS-CONTROL remark Wireless control systems
access-list WIRELESS-CONTROL extended permit object-group CSM_INLINE_svc_rule_73014461128
10.10.183.0 255.255.255.0 object-group CSM_INLINE_dst_rule_73014461128
access-list WIRELESS-CONTROL remark Drop all other traffic
access-list WIRELESS-CONTROL extended deny ip any any log
access-list WIRELESS-GUEST extended deny ip any object-group Store-MSP-POS-net
access-list WIRELESS-GUEST extended deny ip any object-group
CSM_INLINE_dst_rule_73014461436
access-list WIRELESS-GUEST extended permit udp 10.10.176.0 255.255.248.0 object-group
NTP-Servers eq ntp
access-list WIRELESS-GUEST remark Drop all other traffic
access-list WIRELESS-GUEST extended deny ip any any log
access-list DROP-ALL extended deny ip any any log disable
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_1
10.10.191.0 255.255.255.0 object-group NTP-Servers log disable
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_2
10.10.191.0 255.255.255.0 object TACACS
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_3
10.10.191.0 255.255.255.0 object-group DM_INLINE_NETWORK_2 log disable
access-list MANAGEMENT_access_in extended permit object-group DM_INLINE_SERVICE_4
10.10.191.0 255.255.255.0 object-group DM_INLINE_NETWORK_3 log disable
access-list MANAGEMENT_access_in extended deny ip any any
pager lines 24
logging enable
logging timestamp
logging buffer-size 100000
logging trap informational
logging asdm informational
logging host MSP-WAN 192.168.42.124
mtu MSP-WAN 1500
mtu POS 1500
mtu DATA 1500
mtu VOICE 1500
mtu WIRELESS 1500
mtu WIRELESS-POS 1500
mtu PARTNER 1500
mtu WIRELESS-GUEST 1500
mtu WIRELESS-CONTROL 1500
mtu WAAS 1500
mtu MANAGEMENT 1500
mtu IPS-Mgmt 1500
no failover
icmp unreachable rate-limit 1 burst-size 1
icmp permit any MSP-WAN
icmp permit any POS
icmp permit any DATA
icmp permit any VOICE

```

```

icmp permit any WIRELESS
icmp permit any WIRELESS-POS
icmp permit any PARTNER
icmp permit any WIRELESS-GUEST
icmp permit any WIRELESS-CONTROL
icmp permit any WAAS
icmp permit any MANAGEMENT
asdm image disk0:/asdm-70040.bin
asdm history enable
arp timeout 14400
no arp permit-nonconnected
access-group OUTSIDE in interface MSP-WAN
access-group POS in interface POS
access-group DATA in interface DATA
access-group VOICE in interface VOICE
access-group WIRELESS in interface WIRELESS
access-group WIRELESS-POS in interface WIRELESS-POS
access-group PARTNER in interface PARTNER
access-group WIRELESS-GUEST in interface WIRELESS-GUEST
access-group WIRELESS-CONTROL in interface WIRELESS-CONTROL
access-group WAAS in interface WAAS
access-group MANAGEMENT_access_in in interface MANAGEMENT
access-group DROP-ALL in interface IPS-Mgmt
route MSP-WAN 0.0.0.0 0.0.0.0 10.10.255.11 1
timeout xlate 3:00:00
timeout pat-xlate 0:00:30
timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00
timeout sip 0:30:00 sip_media 0:02:00 sip-invite 0:03:00 sip-disconnect 0:02:00
timeout sip-provisional-media 0:02:00 uauth 0:05:00 absolute
timeout tcp-proxy-reassembly 0:01:00
timeout floating-conn 0:00:00
dynamic-access-policy-record DfltAccessPolicy
aaa-server RETAIL protocol tacacs+
aaa-server RETAIL (MANAGEMENT) host 192.168.42.131
key *****
aaa-server COMPLIANCE protocol tacacs+
aaa-server COMPLIANCE (MSP-WAN) host 192.168.42.131
key *****
user-identity default-domain LOCAL
aaa authentication enable console COMPLIANCE LOCAL
aaa authentication http console COMPLIANCE LOCAL
aaa authentication ssh console COMPLIANCE LOCAL
aaa authorization command COMPLIANCE LOCAL
aaa accounting enable console COMPLIANCE
aaa accounting ssh console COMPLIANCE
aaa accounting command privilege 15 COMPLIANCE
aaa authentication secure-http-client
aaa local authentication attempts max-fail 6
aaa authorization exec authentication-server
http server enable
http server idle-timeout 15
http server session-timeout 15
http 192.168.41.101 255.255.255.255 MSP-WAN
http 192.168.41.102 255.255.255.255 MSP-WAN
http 192.168.42.122 255.255.255.255 MSP-WAN
http 192.168.42.124 255.255.255.255 MSP-WAN
http 192.168.42.133 255.255.255.255 MSP-WAN
http 192.168.42.138 255.255.255.255 MSP-WAN
http 192.168.42.139 255.255.255.255 MSP-WAN
http 192.168.42.134 255.255.255.255 MSP-WAN
snmp-server group V3Group v3 priv

```

```

snmp-server user ciscoslm V3Group v3 encrypted auth sha
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db priv aes 256
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db:88:e3:53:03:7b:f1:02:30:bc:14:
98:e5
snmp-server user csmadmin V3Group v3 encrypted auth sha
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db priv aes 256
56:bd:0f:20:11:a7:78:6e:08:cc:a9:43:f7:86:0e:ab:04:7c:a7:db:88:e3:53:03:7b:f1:02:30:bc:14:
98:e5
snmp-server host MSP-WAN 192.168.42.134 version 3 ciscoslm
snmp-server host MSP-WAN 192.168.42.139 version 3 ciscoslm
snmp-server host MSP-WAN 192.168.42.133 version 3 csmadmin
snmp-server location Building SJC-17-1 Aisle 2 Rack 3
snmp-server contact Bart McGlothin
snmp-server enable traps snmp authentication linkup linkdown coldstart warmstart
snmp-server enable traps syslog
snmp-server enable traps ipsec start stop
snmp-server enable traps memory-threshold
snmp-server enable traps interface-threshold
snmp-server enable traps remote-access session-threshold-exceeded
snmp-server enable traps connection-limit-reached
snmp-server enable traps cpu threshold rising
snmp-server enable traps ikev2 start stop
snmp-server enable traps nat packet-discard
crypto ipsec security-association pmtu-aging infinite
crypto ca trustpool policy
telnet timeout 5
ssh scopy enable
ssh 192.168.41.101 255.255.255.255 MSP-WAN
ssh 192.168.41.102 255.255.255.255 MSP-WAN
ssh 192.168.42.122 255.255.255.255 MSP-WAN
ssh 192.168.42.124 255.255.255.255 MSP-WAN
ssh 192.168.42.133 255.255.255.255 MSP-WAN
ssh 192.168.42.138 255.255.255.255 MSP-WAN
ssh 192.168.42.139 255.255.255.255 MSP-WAN
ssh 192.168.42.134 255.255.255.255 MSP-WAN
ssh timeout 15
ssh version 2
console timeout 15
dhcprelay server 192.168.42.130 MSP-WAN
dhcprelay enable POS
dhcprelay enable DATA
dhcprelay enable VOICE
dhcprelay enable WIRELESS
dhcprelay enable WIRELESS-POS
dhcprelay enable PARTNER
dhcprelay enable WIRELESS-GUEST
dhcprelay enable WIRELESS-CONTROL
dhcprelay timeout 60
threat-detection basic-threat
threat-detection statistics access-list
no threat-detection statistics tcp-intercept
ntp server 192.168.62.162 source MSP-WAN
ntp server 192.168.62.161 source MSP-WAN prefer
ssl encryption aes128-sha1 aes256-sha1 3des-sha1
webvpn
  anyconnect-essentials
username csmadmin password 9CmOJ.jq4D54PXDW encrypted privilege 15
username retail password XgJyMnijuEPQSGoY encrypted privilege 15
username jchambers password zkGq5ojduHyZK1bA encrypted privilege 15
username ciscoslm password huo2PmvTsMk6Cv1L encrypted privilege 15
username bmcgloth password gITSY3iZ3UnCQoKf encrypted privilege 15
!
class-map inspection_default
  match default-inspection-traffic

```

```

class-map global-class-PCI
  match any
!
!
policy-map type inspect dns preset_dns_map
  parameters
    message-length maximum client auto
    message-length maximum 512
policy-map global_policy
  description IPS inspection policy for Cisco PCI LAB
  class inspection_default
    inspect dns preset_dns_map
    inspect ftp
    inspect h323 h225
    inspect h323 ras
    inspect rsh
    inspect rtsp
    inspect esmtp
    inspect sqlnet
    inspect skinny
    inspect sunrpc
    inspect xdmcp
    inspect sip
    inspect netbios
    inspect tftp
    inspect ip-options
  class global-class-PCI
    ips inline fail-close
  class class-default
    ips promiscuous fail-open
!
service-policy global_policy global
prompt hostname context
no call-home reporting anonymous
call-home
  profile CiscoTAC-1
    no active
    destination address http https://tools.cisco.com/its/service/oddce/services/DDCEService
    destination address email callhome@cisco.com
    destination transport-method http
    subscribe-to-alert-group diagnostic
    subscribe-to-alert-group environment
    subscribe-to-alert-group inventory periodic monthly
    subscribe-to-alert-group configuration periodic monthly
    subscribe-to-alert-group telemetry periodic daily
password encryption aes
Cryptochecksum:0c17bedaf99e8d7c1ce43105b2a7d2c5
: end
FW-A2-MSP-1#

```

```

IPS-A2-MSP-1# show configuration
! -----
! Current configuration last modified Fri Dec 21 12:24:05 2012
! -----
! Version 7.1(6)
! Host:
!   Realm Keys          key1.0
! Signature Definition:
!   Signature Update    S648.0   2012-05-30
! -----
service interface
exit
! -----

```

```

service authentication
attemptLimit 6
password-strength
size 7-64
digits-min 1
lowercase-min 1
other-min 1
number-old-passwords 4
exit
cli-inactivity-timeout 15
exit
! -----
service event-action-rules rules0
exit
! -----
service host
network-settings
host-ip 10.10.191.21/24,10.10.191.1
host-name IPS-A2-MSP-1
telnet-option disabled
access-list 192.168.41.101/32
access-list 192.168.41.102/32
access-list 192.168.42.122/32
access-list 192.168.42.124/32
access-list 192.168.42.133/32
access-list 192.168.42.134/32
access-list 192.168.42.138/32
access-list 192.168.42.139/32
login-banner-text WARNING: THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS
ONLY!
dns-primary-server enabled
address 192.168.42.130
exit
dns-secondary-server disabled
dns-tertiary-server disabled
exit
time-zone-settings
offset -480
standard-time-zone-name PST
exit
ntp-option enabled-ntp-unauthenticated
ntp-server 192.168.62.161
exit
summertime-option recurring
summertime-zone-name PDT
start-summertime
month march
week-of-month second
day-of-week sunday
time-of-day 02:00:00
exit
end-summertime
month november
week-of-month first
day-of-week sunday
time-of-day 02:00:00
exit
exit
exit
! -----
service logger
exit
! -----
service network-access

```

```
exit
! -----
service notification
trap-destinations 192.168.42.124
trap-community-name RSAenvision
exit
enable-notifications true
trap-community-name RSAenvision
system-location Building SJC-17-1 Row 1 Rack 1
system-contact EmployeeA
exit
! -----
service signature-definition sig0
exit
! -----
service ssh-known-hosts
exit
! -----
service trusted-certificates
exit
! -----
service web-server
enable-tls true
port 443
server-id IPS-A2-MSP-1
exit
! -----
service anomaly-detection ad0
exit
! -----
service external-product-interface
exit
! -----
service health-monitor
exit
! -----
service global-correlation
exit
! -----
service aaa
aaa radius
primary-server
server-address 192.168.42.131
shared-secret retailpci
exit
nas-id IPS-A2-MSP-1
local-fallback enabled
console-authentication radius-and-local
default-user-role administrator
exit
exit
! -----
service analysis-engine
virtual-sensor vs0
physical-interface PortChannel0/0
exit
exit
IPS-A2-MSP-1#
```

S-A2-MSP-1

```
Building configuration...

Current configuration : 10554 bytes
!
! Last configuration change at 02:08:19 PSTDST Sat Apr 30 2011 by retail
! NVRAM config last updated at 02:08:21 PSTDST Sat Apr 30 2011 by retail
!
version 12.2
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime localtime show-timezone
service timestamps log datetime localtime show-timezone
service password-encryption
service sequence-numbers
!
hostname S-A2-MSP-1
!
logging buffered 50000 debugging
enable secret 5 <removed>
!
username retail privilege 15 secret 5 <removed>
username bart privilege 15 secret 5 <removed>
username emc-ncm privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
aaa new-model
aaa authentication login RETAIL group tacacs+ local
aaa authentication enable default group tacacs+ enable
aaa authorization exec default group tacacs+ if-authenticated
aaa accounting update newinfo
aaa accounting exec default start-stop group tacacs+
aaa accounting commands 15 default start-stop group tacacs+
aaa accounting system default start-stop group tacacs+
!
aaa session-id common
clock timezone PST -8
clock summer-time PSTDST recurring
system mtu routing 1500
ip subnet-zero
no ip source-route
ip domain-name cisco-irn.com
ip name-server 192.168.42.130
!
ip ssh time-out 30
ip ssh authentication-retries 2
ip ssh version 2
ip scp server enable
login block-for 1800 attempts 6 within 1800
login quiet-mode access-class 23
login on-failure log
login on-success log
!
password encryption aes
!
crypto pki trustpoint TP-self-signed-4189032704
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-4189032704
  revocation-check none
  rsakeypair TP-self-signed-4189032704
!
```



```
!
crypto pki certificate chain TP-self-signed-4189032704
certificate self-signed 01
  <removed>
quit
!
!
archive
  log config
  logging enable
  hidekeys
no file verify auto
spanning-tree mode pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
interface FastEthernet0
  no ip address
  shutdown
!
interface GigabitEthernet0/1
  switchport trunk encapsulation dot1q
  switchport mode trunk
!
interface GigabitEthernet0/2
  description AIR-CAP3502I
  switchport trunk encapsulation dot1q
  switchport trunk native vlan 18
  switchport trunk allowed vlan 14-18
  switchport mode trunk
!
interface GigabitEthernet0/3
!
interface GigabitEthernet0/4
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/5
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/6
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/7
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/8
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/9
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/10
  switchport access vlan 17
  shutdown
!
interface GigabitEthernet0/11
  switchport access vlan 17
```

```
shutdown
!
interface GigabitEthernet0/12
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/13
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/14
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/15
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/16
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/17
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/18
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/19
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/20
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/21
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/22
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/23
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/24
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/25
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/26
switchport access vlan 17
shutdown
!
interface GigabitEthernet0/27
switchport access vlan 17
```

```

shutdown
!
interface GigabitEthernet0/28
  switchport access vlan 17
  shutdown
!
interface TenGigabitEthernet0/1
  shutdown
!
interface TenGigabitEthernet0/2
  shutdown
!
interface Vlan1
  no ip address
  shutdown
!
interface Vlan1000
  description Management VLAN for Switch
  ip address 10.10.191.11 255.255.255.0
!
ip default-gateway 10.10.191.1
ip classless
no ip forward-protocol nd
no ip http server
ip http access-class 23
ip http authentication aaa login-authentication RETAIL
ip http secure-server
ip http secure-ciphersuite 3des-edc-cbc-sha
ip http timeout-policy idle 60 life 86400 requests 10000
ip tacacs source-interface Vlan1000
!
!
logging trap debugging
logging source-interface Vlan1000
logging 192.168.42.124
access-list 23 permit 192.168.41.101 log
access-list 23 permit 192.168.41.102 log
access-list 23 permit 192.168.42.111 log
access-list 23 permit 192.168.42.122 log
access-list 23 permit 192.168.42.124 log
access-list 23 permit 127.0.0.1 log
access-list 23 permit 192.168.42.131 log
access-list 23 permit 192.168.42.133 log
access-list 23 permit 192.168.42.138 log
access-list 23 permit 10.19.151.99 log
access-list 23 deny any log
access-list 88 permit 192.168.42.124 log
access-list 88 deny any log
snmp-server engineID remote 192.168.42.124 0000000000
snmp-server user remoteuser remoteuser remote 192.168.42.124 v3 access 88
snmp-server user remoteuser remoteuser v3
snmp-server group remoteuser v3 noauth notify *tv.FFFFFFFF.FFFFFFFF.FFFFFFFF.FFFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packet-size 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart
snmp-server enable traps entity
snmp-server enable traps cpu threshold
snmp-server enable traps power-ethernet group 1
snmp-server enable traps vtp
snmp-server enable traps vlancreate
snmp-server enable traps vlandelete
snmp-server enable traps flash insertion removal

```

```

snmp-server enable traps port-security
snmp-server enable traps envmon fan shutdown supply temperature status
snmp-server enable traps config-copy
snmp-server enable traps config
snmp-server enable traps hsrp
snmp-server enable traps rtr
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps syslog
snmp-server enable traps vlan-membership
snmp-server host 192.168.42.124 remoteuser
tacacs-server host 192.168.42.131
tacacs-server directed-request
tacacs-server key 7 <removed>
radius-server source-ports 1645-1646
!
control-plane
!
banner exec ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
TO IDENTIFY ANY UNAUTHORIZED USER.  THE SYSTEM ADMINISTRATOR OR OTHER
REPRESENTATIVES OF THE SYSTEM OWNER MAY MONITOR SYSTEM USE AT ANY TIME WITHOUT
FURTHER NOTICE OR CONSENT.  UNAUTHORIZED USE OF THIS SYSTEM AND ANY OTHER
CRIMINAL CONDUCT REVEALED BY SUCH USE IS SUBJECT TO DISCLOSURE TO LAW
ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CMO Retail ****
        **** AUTHORIZED USERS ONLY! ****

ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
TO MONITORING OF SUCH USE AND TO SUCH ADDITIONAL MONITORING AS MAY BE NECESSARY
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ENFORCEMENT OFFICIALS AND PROSECUTION TO THE FULL EXTENT OF THE LAW.

UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner login ^C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF AUTHORIZED USERS ONLY!
^C
!
line con 0
 session-timeout 15 output
 exec-timeout 15 0
 login authentication RETAIL
line vty 0 4
 session-timeout 15 output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication RETAIL
 transport preferred none
 transport input ssh

```

```
transport output none
line vty 5 15
  session-timeout 15 output
  access-class 23 in
  exec-timeout 15 0
  logging synchronous
  login authentication RETAIL
  transport preferred none
  transport input ssh
  transport output none
!
ntp clock-period 36026372
ntp source Vlan1000
ntp server 192.168.62.162
ntp server 192.168.62.161 prefer
end
```

