APPENDIX E

Detailed Full Running Configurations

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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
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 Branches-ALL
 subnet 10.10.0.0 255.255.0.0
 description all branch 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 MSExchange
 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 BRANCH-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 branchs
 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 vCetner 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 BRANCH-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 Branches-ALL
access-list INSIDE remark VMWare - ESX systems
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_4 object vSphere-1
object Branches-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 Branches-ALL
access-list INSIDE remark Physical security systems
access-list INSIDE extended permit tcp object-group DM_INLINE_NETWORK_4 object
Branches-ALL eq https
access-list INSIDE remark Allow Management of branch systems
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_6 object DC-ALL object
Branches-ALL
access-list INSIDE remark WAAS systems
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_7 object-group DC-WAAS
object Branches-ALL
access-list INSIDE remark Voice calls
access-list INSIDE extended permit object-group DM_INLINE_SERVICE_8 object DC-ALL object
Branches-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 Branches-ALL any object-group
DM_INLINE_ICMP_1
access-list OUTSIDE remark Internet Browsing
access-list OUTSIDE extended permit tcp object Branches-ALL any object-group
DM_INLINE_TCP_3
access-list OUTSIDE remark Config uploading
access-list OUTSIDE extended permit tcp object Branches-ALL object EMC-NCM eq ssh
access-list OUTSIDE remark Log reporting
access-list OUTSIDE extended permit udp object Branches-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 Branches-ALL
object ActiveDirectory.cisco-irn.com
access-list OUTSIDE remark Authentication and authorization
access-list OUTSIDE extended permit tcp object Branches-ALL object TACACS eq tacacs
access-list OUTSIDE remark Time Sync
access-list OUTSIDE extended permit udp object Branches-ALL object-group NTP-Servers eq
ntp
access-list OUTSIDE remark Authentication
access-list OUTSIDE extended permit udp object Branches-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 Branches-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 Branches-ALL
object vSphere-1
access-list OUTSIDE remark Physical security systems
access-list OUTSIDE extended permit tcp object Branches-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 Branches-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 Branches-ALL
object DC-ALL
access-list OUTSIDE remark WAAS systems
access-list OUTSIDE extended permit object-group DM_INLINE_SERVICE_14 object Branches-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 Branches-ALL
object ActiveDirectory.cisco-irn.com
access-list OUTSIDE remark Allow Windows Updates
access-list OUTSIDE extended permit tcp object Branches-ALL object MS-Update object-group
DM_INLINE_TCP_1
access-list OUTSIDE remark Allow Mail
access-list OUTSIDE extended permit tcp object Branches-ALL object MSExchange object-group
DM_INLINE_TCP_2
access-list OUTSIDE remark Allow Applications
access-list OUTSIDE extended permit tcp object Branches-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 CiscoACS protocol tacacs+
aaa-server CiscoACS (inside) host 192.168.42.131
 key *****
user-identity default-domain LOCAL
aaa authentication ssh console CiscoACS LOCAL
aaa authentication enable console CiscoACS LOCAL
aaa authentication http console CiscoACS LOCAL
aaa accounting ssh console CiscoACS
aaa accounting enable console CiscoACS
aaa accounting command privilege 15 CiscoACS
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 ciscolms password <removed> privilege 15
username bmcgloth password <removed> privilege 15
!
class-map inspection_default
 match default-inspection-traffic
class-map global-class-XXX
 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 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-XXX
  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 <removed>
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

```
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 CiscoACS 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 bart privilege 15 secret 5 <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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 branch 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 packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
                    **** 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
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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 incoming C
WARNING:
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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 CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 CiscoACS 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 bart privilege 15 secret 5 <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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
```

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

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banner incoming C
WARNING:
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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 CiscoACS
 stopbits 1
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication CiscoACS
 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 CiscoACS
 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 CiscoACS
```

```
 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

```
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 bart privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
username ciscolms privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
!
aaa authentication login CiscoACS 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 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 packetsize 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 CISCO ****
                    **** 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 CISCO ****
                    **** 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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 bart privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
username csmadmin privilege 15 secret 5 <removed>
username ciscolms privilege 15 secret 5 <removed>
!
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
!
aaa authentication login CiscoACS 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 packetsize 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:
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
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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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 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 COMPLIANCEVTP
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-branchs
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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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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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
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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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 COMPLIANCEVTP
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-branchs
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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 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 timeout 5
```

```
tacacs-server directed-request
tacacs-server key 7 <removed>
!
!
control-plane
!
!
dial-peer cor custom
!
!
!
banner exec 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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-vc1
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-vdc1_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 Branches-ALL
 description all branch 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 Branches-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 Branches-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 Branches-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 Branches-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 branchs
 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)
 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-vdc1_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-vdc1_v1/mandatory)
 group-object DC-ALL
 group-object Branches-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 Csico 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-vdc1_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-vdc1_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-vdc1_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-vdc1_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 MSExchange
 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
 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 vCetner 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 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-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_77309411649
 description Generated by CS-Manager from service of FirewallRule# 13
(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_77309414071
 description Generated by CS-Manager from service of FirewallRule# 15
(ASA-DC-1-vdc1_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-vdc1_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-vdc1_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-vdc1_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-vdc1_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-vdc1_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-vdc1_v1/mandatory)
```

```
 service-object tcp destination eq https
 service-object tcp destination eq www
 group-object HTTPS-8443
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
 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-vdc1_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-vdc1_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-vdc1_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 Branches-ALL object-group
EMC-NCM eq ssh
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411655
object-group Branches-ALL object-group RSA-enVision
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411657
object-group Branches-ALL object-group ActiveDirectory.cisco-irn.com
access-list CSM_FW_ACL_north extended permit tcp object-group Branches-ALL object-group
TACACS eq tacacs
access-list CSM_FW_ACL_north extended permit udp object-group Branches-ALL object-group
NTP-Servers eq ntp
access-list CSM_FW_ACL_north extended permit object-group CSM_INLINE_svc_rule_77309411663
object-group Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL object-group ActiveDirectory.cisco-irn.com
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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL eq https
access-list CSM_FW_ACL_south remark Allow Management of branch systems
access-list CSM_FW_ACL_south extended permit object-group CSM_INLINE_svc_rule_77309411645
object-group DC-ALL object-group Branches-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 Branches-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 Branches-ALL
access-list CSM_FW_ACL_south extended deny ip any object-group Branches-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 CiscoACS protocol tacacs+
aaa-server CiscoACS (south) host 192.168.42.131
 key *****
aaa authentication ssh console CiscoACS LOCAL
aaa authentication enable console CiscoACS LOCAL
aaa authentication http console CiscoACS LOCAL
aaa accounting ssh console CiscoACS
aaa accounting enable console CiscoACS
aaa accounting command privilege 15 CiscoACS
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 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

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

banner motd @
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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 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 bmcgloth 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

```
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 bmcgloth 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 bmcgloth 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

```
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 bart password 5 <removed>   role vdc-admin
username bmcgloth password 5 <removed> role vdc-admin
enable secret 5 <removed>

banner motd @
```

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

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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 127.0.0.1/32 192.168.1.31/32
  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 bmcgloth 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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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
  udld 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

```
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 bart password 5 <removed> role network-admin
username bmcgloth password 5 <removed> role network-admin
enable secret 5 <removed>

banner motd @
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CISCO ****
```

```
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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 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-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 bmcgloth 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

```
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 bmcgloth 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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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
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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 bmcgloth 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 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 192.168.162.4/24
  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 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 T2/2
```

```
  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

```
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 bart password 5 <removed>   role vdc-admin
username bmcgloth 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
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 bmcgloth 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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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 c1sc0
    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
  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
  udld 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

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

username bart password 5 <removed>   role network-admin
username bmcgloth password 5 <removed>   role network-admin

banner motd #
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.
#

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 N1kv-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 bmcgloth 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 N1kv-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
COMPLIANCE Lab
  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

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

username bmcgloth password 5 <removed> role network-admin

banner motd #
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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
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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 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 bmcgloth 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

```
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 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 CiscoACS 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
svclc module 4 vlan-group 162,163
svclc vlan-group 162  152,162
svclc 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 CiscoACS
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 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
                  **** 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 CISCO ****
```

```
                    **** 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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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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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
svclc module 4 vlan-group 162,163
svclc vlan-group 162  152,162
svclc 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 CiscoCOMPLIANCE
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
  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 CiscoACS
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 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 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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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:
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!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 branch 1800 server e1
 switchport access vlan 42
```

```
 switchport trunk encapsulation dot1q
 spanning-tree portfast
!
interface GigabitEthernet1/36
 description small branch 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 RSERV-1 Management G7/1
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/48
 description Uplink to RSERV-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 CiscoACS
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.FFFFFFF0F
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 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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banner incoming
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CISCO ****
```

```
                    **** 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.

banner login
WARNING:
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!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication CiscoACS
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 RSERV-1 Management G7/2
 switchport access vlan 42
 switchport mode access
 spanning-tree portfast
!
interface GigabitEthernet1/48
 description TEMP Uplink to RSERV-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 CiscoACS
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 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CISCO ****
                  **** 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 CISCO ****
                  **** 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 CiscoACS
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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
```

SACCESS-3

```
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 bart password 5 <removed>  role network-admin
username bmcgloth password 5 <removed>  role network-admin
enable secret 5 <removed>

banner motd #
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CISCO ****
                  **** 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-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 bmcgloth 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 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
```

SACCESS-4

```
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 bmcgloth 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 CISCO ****
                  **** 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 bmcgloth 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

```
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 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 CiscoACS 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 CiscoACS
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
!
!
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.FFFFFFF0F
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 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
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```

```
banner incoming
WARNING:
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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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 bmcgloth 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 CISCO ****
**** 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 bmcgloth 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 pwwn 20:00:00:25:b5:01:11:15
    member pwwn 50:06:01:68:46:e0:33:aa

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

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

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

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

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

zone name UIM_20000025B5011115_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:15
```

```
    member pwwn 50:06:01:60:46:e0:33:aa

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

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

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

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

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

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

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

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

zone name UIM_20000025B5011119_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:19
    member pwwn 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 pwwn 20:00:00:25:b5:01:11:23
    member pwwn 50:06:01:69:46:e0:33:aa

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

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

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

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

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

zone name UIM_20000025B5011123_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:23
```

```
    member pwwn 50:06:01:60:46:e0:33:aa

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

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

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

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

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

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

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

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

zone name UIM_20000025B5011126_5006016046E033AA vsan 10
    member pwwn 20:00:00:25:b5:01:11:26
    member pwwn 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_20000025B5011129_5006016946E033AA
        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

```
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 bmcgloth 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 CISCO ****
                  **** 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 bmcgloth network-admin auth md5 <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
  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
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 pwwn 20:00:00:25:b5:01:11:10
    member pwwn 50:06:01:69:46:e0:33:aa

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

zone name UIM_20000025B501111D_5006016146E033AA vsan 11
    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 11
    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 11
    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 11
    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 11
    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 11
    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 11
    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 11
    member pwwn 20:00:00:25:b5:01:11:1c
    member pwwn 50:06:01:60:46:e0:33:aa
```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

zone name UIM_20000025B501112B_5006016146E033AA vsan 11
    member pwwn 20:00:00:25:b5:01:11:2b
    member pwwn 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

```
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 <removed>
!
aaa new-model
```

```
!
!
aaa group server tacacs+ PRIMARY1
 server name PRIMARY
 ip tacacs source-interface GigabitEthernet0/0/1
!
aaa authentication login CiscoACS 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 bart 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 - remove from Production Network---
 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
 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 - remove from Production networks---
 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 packetsize 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 CISCO ****
                    **** 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 CISCO ****
                    **** 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 CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 <removed>
!
aaa new-model
!
!
aaa group server tacacs+ PRIMARY1
 server name PRIMARY
 ip tacacs source-interface GigabitEthernet0/0/2
!
aaa authentication login CiscoACS 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 bart 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 G1/2
 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 - remove from Production network---
 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 - remove from Production networks---
 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 packetsize 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 CISCO ****
                    **** 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 CISCO ****
                    **** 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 CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
hostname ASA-IE-1
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> 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 CISCO ****
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 CISCO ****
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.symmetricom.com
 host 207.200.81.113
 description Mountain View, California
```

```
object network nist1.aol-va.symmetricom.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.symmetricom.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.cicso-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 vCetner 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.expertsmi.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-va.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.cicso-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
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
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 CiscoACS protocol tacacs+
 reactivation-mode depletion deadtime 15
 max-failed-attempts 5
aaa-server CiscoACS (inside) host 192.168.42.131
 key *****
user-identity default-domain LOCAL
aaa authentication enable console CiscoACS LOCAL
aaa authentication http console CiscoACS LOCAL
aaa authentication serial console CiscoACS LOCAL
aaa authentication ssh console CiscoACS LOCAL
aaa authorization command CiscoACS LOCAL
aaa accounting enable console CiscoACS
aaa accounting serial console CiscoACS
aaa accounting ssh console CiscoACS
aaa accounting command CiscoACS
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 COMPLIANCE-XXX internal
group-policy COMPLIANCE-XXX attributes
 vpn-tunnel-protocol ssl-clientless
username csmadmin password 9CmOJ.jq4D54PXDW 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 COMPLIANCE-Lab type remote-access
tunnel-group COMPLIANCE-Lab general-attributes
 authentication-server-group partnerauth LOCAL
 default-group-policy COMPLIANCE-XXX
!
class-map inspection_default
 match default-inspection-traffic
class-map global-class-XXX
 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 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-XXX
  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

```
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

```
ASA Version 9.1(1)
!
hostname ASASM-RIE-3
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> 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 CISCO ****
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 CISCO ****
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.symmetricom.com
 host 207.200.81.113
 description Mountain View, California
object network nist1.aol-va.symmetricom.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.symmetricom.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 vCetner 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.expertsmi.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-va.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
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-opperation
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-opperation
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-opperation
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-opperation
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-opperation
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 CiscoACS protocol tacacs+
 reactivation-mode depletion deadtime 15
 max-failed-attempts 5
aaa-server CiscoACS (inside) host 192.168.42.131
 key *****
user-identity default-domain LOCAL
aaa authentication enable console CiscoACS LOCAL
aaa authentication http console CiscoACS LOCAL
aaa authentication ssh console CiscoACS LOCAL
aaa authentication serial console CiscoACS LOCAL
aaa authorization command CiscoACS LOCAL
aaa accounting enable console CiscoACS
aaa accounting serial console CiscoACS
aaa accounting ssh console CiscoACS
aaa accounting command privilege 15 CiscoACS
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 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

```
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 <removed>
aaa group server tacacs+ CiscoACS
  server 192.168.42.131

clock timezone standard PST
clock summer-time standard PDT
aaa authentication login default group CiscoACS local
aaa authentication login console group CiscoACS local
aaa accounting default group CiscoACS 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 ECOM
  allocate-interface vlan 82-83
  allocate-interface vlan 95



ft group 10
  peer 1
  priority 110
  peer priority 105
  associate-context ECOM
  inservice
username csmadmin password 5 <removed>  role Admin domain default-domain cisco-irn.com
username bmcgloth password 5 <removed>  role Admin domain default-domain cisco-irn.com
username lmsadmin password 5 <removed>  role Admin domain default-domain cisco-irn.com

ssh key rsa 2048 force
```

DMZ-ACE-1_ECOM

```
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 <removed>
aaa group server tacacs+ CiscoACS
  server 192.168.42.131
aaa authentication login default group CiscoACS local
aaa authentication login console group CiscoACS local
aaa accounting default group CiscoACS 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 LAB-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 LAB-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 LAB-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 <removed>  role Admin domain default-domain cisco-irn.com
username bmcgloth password 5 <removed>  role Admin domain default-domain cisco-irn.com
username lmsadmin password 5 <removed>  role Admin domain default-domain cisco-irn.com
```

RIE-3

```
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 bart privilege 15 secret 5 <removed>
username bmcgloth privilege 15 secret 5 <removed>
aaa new-model
!
!
aaa authentication login CiscoACS 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
svclc multiple-vlan-interfaces
svclc module 3 vlan-group 21,82,83,85
svclc vlan-group 21  21
svclc vlan-group 82  82
svclc vlan-group 83  83
svclc 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 B3A6EEEB 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
```

```
                    **** 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 CISCO ****
                    **** 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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
```

Clinic

Hospital

R-A2-LRG-1

```
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 CiscoACS 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 Branches-ALL
 description all branch 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 Branches-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 BRANCH-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 bart 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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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_HIPAA_1 source S_R-2-R destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_HIPAA-WU_1 source S_R-2-R destination S_HIPAA-WU
 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 10.10.110.1 255.255.255.255
 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 GigabitEthernet0/0.21
 description HIPAA
 encapsulation dot1Q 21
 ip address 10.10.106.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA
 standby 21 ip 10.10.106.1
 standby 21 priority 101
 standby 21 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.22
 description WIRELESS-HIPAA-USERS
 encapsulation dot1Q 22
 ip address 10.10.107.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WU
 standby 22 ip 10.10.107.1
 standby 22 priority 101
 standby 22 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.23
 description WIRELESS-HIPAA-DEVICES
 encapsulation dot1Q 23
 ip address 10.10.108.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WD
 standby 23 ip 10.10.108.1
 standby 23 priority 101
 standby 23 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-ALL
object-group Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MSExchange
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 BRANCH-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Branches-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 BRANCH-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 branch 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:
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**** AUTHORIZED USERS ONLY! ****

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banner incoming C
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**** 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 CiscoACS
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 CiscoACS 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 Branches-ALL
 description all branch 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 Branches-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 BRANCH-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 bart 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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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_HIPAA_1 source S_R-2-R destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_HIPAA-WU _1 source S_R-2-R destination S_HIPAA-WU
 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 GigabitEthernet0/0.21
 description HIPAA
 encapsulation dot1Q 21
 ip address 10.10.106.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA
 standby 21 ip 10.10.106.1
 standby 21 priority 99
 standby 21 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.22
 description WIRELESS-HIPAA-USERS
 encapsulation dot1Q 22
 ip address 10.10.107.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WU
 standby 22 ip 10.10.107.1
```

```
 standby 22 priority 99
 standby 22 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.23
 description WIRELESS-HIPAA-DEVICES
 encapsulation dot1Q 23
 ip address 10.10.108.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WD
 standby 23 ip 10.10.108.1
 standby 23 priority 99
 standby 23 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-ALL
object-group Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MSExchange
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 BRANCH-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Branches-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 BRANCH-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 branch 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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:
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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
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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 C
WARNING:
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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 CiscoACS
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 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-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 6A6967B3000000000003
  <removed>
  quit
crypto pki certificate chain CISCO_IDEVID_SUDI0
 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 21
 name HIPAA
!
vlan 22
 name WIRELESS-HIPAA-USERS
!
vlan 23
 name WIRELESS-HIPAA-DEVICES
!
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 CiscoACS
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 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.FFFFFFF0F
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:
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```

```
^C
banner incoming ^CC
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.
^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 CiscoACS
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 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 21
 name HIPAA
```

```
!
vlan 22
 name WIRELESS-HIPAA-USERS
!
vlan 23
 name WIRELESS-HIPAA-DEVICES
!
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 CiscoACS
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 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.FFFFFFF0F
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:
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                    **** 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:
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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 ^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 CiscoACS
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 bart 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 CiscoACS 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 21
 name HIPAA
!
vlan 22
 name WIRELESS-HIPAA-USERS
```

```
!
vlan 23
 name WIRELESS-HIPAA-DEVICES
!
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 CiscoACS
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 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 COMPLIANCElabISE  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
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                    **** 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 CISCO ****
                    **** AUTHORIZED USERS ONLY! ****
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^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 CiscoACS
 stopbits 1
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 bart 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 CiscoACS 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 CiscoACS
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 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 (wwwin-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.FFFFFFF0F
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 COMPLIANCElabISE  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:
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^C
banner incoming ^C
WARNING:
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^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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 bart 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 COMPLIANCE-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 COMPLIANCE-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 CiscoACS 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 CiscoACS
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 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
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^C
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^C
banner login ^C
WARNING:
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^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication CiscoACS
 speed 115200
line vty 0 4
 session-timeout 15  output
 access-class 23 in
```

```
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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 Clinic

R-A2-MED-1

```
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 CiscoACS 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 COMPLIANCE-XXX
!
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 Branches-ALL
 description all branch 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 Branches-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 BRANCH-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 bart 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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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_HIPAA_1 source S_R-2-R destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_HIPAA-WU _1 source S_R-2-R destination S_HIPAA-WU
 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 COMPLIANCE-XXX 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 GigabitEthernet0/1.21
 description HIPAA
 encapsulation dot1Q 21
 ip address 10.10.122.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA
 standby 21 ip 10.10.122.1
 standby 21 priority 101
 standby 21 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.22
 description WIRELESS-HIPAA-USERS
```

```
 encapsulation dot1Q 22
 ip address 10.10.123.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WU
 standby 22 ip 10.10.123.1
 standby 22 priority 101
 standby 22 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.23
 description WIRELESS-HIPAA-DEVICES
 encapsulation dot1Q 23
 ip address 10.10.124.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WD
 standby 23 ip 10.10.124.1
 standby 23 priority 101
 standby 23 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-ALL
object-group Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MSExchange
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 BRANCH-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
```

```
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Branches-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 BRANCH-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 branch 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
**** 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 CISCO ****
**** 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 login C
WARNING:
THIS SYSTEM IS PRIVATE PROPERTY



!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication CiscoACS
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 CiscoACS 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 COMPLIANCE-XXX
!
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 Branches-ALL
 description all branch 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 Branches-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 BRANCH-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 bart 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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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_HIPAA_1 source S_R-2-R destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_R-2-R-S_HIPAA-WU _1 source S_R-2-R destination S_HIPAA-WU
 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 COMPLIANCE-XXX 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 GigabitEthernet0/1.21
 description HIPAA
 encapsulation dot1Q 21
 ip address 10.10.122.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA
 standby 21 ip 10.10.122.1
 standby 21 priority 101
 standby 21 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.22
 description WIRELESS-HIPAA-USERS
 encapsulation dot1Q 22
 ip address 10.10.123.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WU
 standby 22 ip 10.10.123.1
 standby 22 priority 101
 standby 22 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.23
 description WIRELESS-HIPAA-DEVICES
 encapsulation dot1Q 23
 ip address 10.10.124.3 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WD
 standby 23 ip 10.10.124.1
 standby 23 priority 101
 standby 23 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 10.10.126.26 255.255.255.252
 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 Survillance 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 CiscoACS
```

```
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-ALL
object-group Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MSExchange
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 BRANCH-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_30
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_81604381029 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_38
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_81604381059 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
 permit object-group CSM_INLINE_svc_rule_81604381043 object-group
CSM_INLINE_src_rule_81604381043 object-group Branches-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 BRANCH-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 branch 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
                    **** 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 CISCO ****
                    **** 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 CiscoACS
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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-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 CiscoACS
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 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.FFFFFFF0F
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 1-4
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 CISCO ****
                    **** 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 CISCO ****
                    **** 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 CiscoACS
 speed 115200
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 CiscoACS
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 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.FFFFFFF0F
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 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 CISCO ****
                    **** 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:
    *                   **** 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 OTHEMIME WITHOUT
FU L
NFORCEMENT OFFCIAL 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 CiscoACS
 speed 115200
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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 Clinic

R-A2-SMALL

```
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 CiscoACS 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 COMPLIANCE-XXX
!
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 Branches-ALL
 description all branch 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 Branches-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 POS-Store-SMALL-1
 description Small Store POS devices
 host 10.10.128.81
 host 10.10.128.82
!
object-group network BRANCH-POS
 group-object POS-Store-SMALL-1
!
object-group network vSphere-1
 description vSphere server for Lab
 host 192.168.41.102
!

username bart 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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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 GigabitEthernet0/0.21
 description HIPAA
 encapsulation dot1Q 21
 ip address 10.10.138.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA
 standby 21 ip 10.10.138.1
 standby 21 priority 101
 standby 21 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.22
 description WIRELESS-HIPAA-USERS
 encapsulation dot1Q 22
 ip address 10.10.139.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WU
 standby 22 ip 10.10.139.1
 standby 22 priority 101
 standby 22 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/0.23
 description WIRELESS-HIPAA-DEVICES
 encapsulation dot1Q 23
 ip address 10.10.140.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WD
 standby 23 ip 10.10.140.1
 standby 23 priority 101
 standby 23 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 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 COMPLIANCE-XXX 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 COMPLIANCE-XXX 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Store to Data Center Physical Security
 permit ip object-group Branches-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 Branches-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 Branches-ALL
object-group Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_73014451397 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_68719541457 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
 permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Branches-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 BRANCH-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 branch 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 packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
**** 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 CISCO ****
**** 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
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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 CiscoACS
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 CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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-l
switch 2 provision ws-c2960s-48fps-l
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 DAEB3D94 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 CiscoACS
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 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.FFFFFFF0F
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 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 CISCO ****
                  **** 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 CISCO ****
                  **** 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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 Clinic

R-A2-MINI-1

```
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 CiscoACS 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 Branches-ALL
 description all branch 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 Branches-ALL
```

```
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 BRANCH-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 bart 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_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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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 GigabitEthernet0/1.21
 description HIPAA
 encapsulation dot1Q 21
 ip address 10.10.154.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA
 standby 21 ip 10.10.154.1
 standby 21 priority 101
 standby 21 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.22
 description WIRELESS-HIPAA-USERS
 encapsulation dot1Q 22
 ip address 10.10.155.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WU
 standby 22 ip 10.10.155.1
 standby 22 priority 101
 standby 22 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface GigabitEthernet0/1.23
 description WIRELESS-HIPAA-DEVICES
 encapsulation dot1Q 23
 ip address 10.10.156.2 255.255.255.0
 ip helper-address 192.168.42.130
 ip pim sparse-dense-mode
 zone-member security S_HIPAA-WD
 standby 23 ip 10.10.156.1
 standby 23 priority 101
 standby 23 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Store to Data Center Physical Security
 permit ip object-group Branches-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 Branches-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 Branches-ALL
object-group Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_73014451397 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_68719541457 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
 permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Branches-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 BRANCH-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 branch 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 CISCO ****
**** 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 CISCO ****
**** 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 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 CiscoACS
line aux 0
 session-timeout 1  output
 exec-timeout 0 1
 privilege level 0
 login authentication CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 CiscoACS
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 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.FFFFFFF0F
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 CISCO ****
                  **** 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 CISCO ****
                  **** 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 CiscoACS
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 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.FFFFFFF0F
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 CISCO ****
                  **** 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 CISCO ****
                  **** 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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
```

Doctor's Office

R-A2-CONV-1

```
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 CiscoACS 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 Branches-ALL
 description all branch 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 Branches-ALL
!
object-group network WCSManager
 description Wireless Manager
 host 192.168.43.135
!
object-group network DC-Wifi-Controllers
 description Central Wireless Controllers for branchs
 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 Branches-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 Branches-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 Branches-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 Branches-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 vCetner 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
 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 BRANCH-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 bart 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 security S_HIPAA
 description VLAN21 HIPAA
zone security S_HIPAA-WU
 description VLAN15 Wireless HIPAA Users
zone security S_HIPAA-WD
 description VLAN15 Wireless HIPAA Devices
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_HIPAA_1 source S_WAN destination S_HIPAA
 service-policy type inspect CSM_ZBF_POLICY_MAP_7
zone-pair security CSM_S_WAN-S_HIPAA-WU_1 source S_WAN destination S_HIPAA-WU
 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 Vlan21
 description HIPAA
 ip address 10.10.170.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.170.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan22
 description WIRELESS-HIPAA-USERS
 ip address 10.10.171.2 255.255.255.0
 ip helper-address 192.168.42.130
```

```
 zone-member security S_WAAS
 standby 19 ip 10.10.171.1
 standby 19 priority 101
 standby 19 preempt
 service-policy input BRANCH-LAN-EDGE-IN
 service-policy output BRANCH-LAN-EDGE-OUT
!
interface Vlan23
 description WIRELESS-HIPAA-DEVICES
 ip address 10.10.172.2 255.255.255.0
 ip helper-address 192.168.42.130
 zone-member security S_WAAS
 standby 19 ip 10.10.172.1
 standby 19 priority 101
 standby 19 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 CiscoACS
ip http secure-server
ip http secure-ciphersuite 3des-ede-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 Branches-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 BRANCH-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
BRANCH-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 BRANCH-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 BRANCH-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
Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL eq 443
ip access-list extended CSM_ZBF_CMAP_ACL_20
 remark Store to Data Center Physical Security
 permit ip object-group Branches-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 Branches-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 Branches-ALL
object-group Branches-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 Branches-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-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 BRANCH-POS object-group
MS-Update
ip access-list extended CSM_ZBF_CMAP_ACL_28
 remark Permit POS clients to talk to branch POS server
 permit object-group CSM_INLINE_svc_rule_73014451397 object-group BRANCH-POS object-group
BRANCH-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-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 Branches-ALL any
ip access-list extended CSM_ZBF_CMAP_ACL_34
 remark Store PARTNERS - Drop Traffic to Enterprise
 permit ip object-group Branches-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 Branches-ALL any
```

```
ip access-list extended CSM_ZBF_CMAP_ACL_36
 remark Store VOICE (wired and Wireless - Acess to corporate wide voice)
 permit object-group CSM_INLINE_svc_rule_68719541457 object-group Branches-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
Branches-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 Branches-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 Branches-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 Branches-ALL
ip access-list extended CSM_ZBF_CMAP_ACL_8
 remark Data Center Wireless Control to AP's and Controllers in branchs
 permit object-group CSM_INLINE_svc_rule_68719541429 object-group
CSM_INLINE_src_rule_68719541429 object-group Branches-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 BRANCH-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 branch 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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
WARNING:
    **** THIS SYSTEM IS PRIVATE PROPERTY FOR THE USE OF CISCO ****
                    **** 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.

banner incoming C
WARNING:
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```

```
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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 CiscoACS
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 CiscoACS
 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 CiscoACS
 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 CiscoACS
 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

```
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 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 CiscoACS 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 CiscoACS
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 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.FFFFFFF0F
snmp-server trap-source Vlan1000
snmp-server packetsize 8192
snmp-server location XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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:
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UNAUTHORIZED ACCESS IS A VIOLATION OF STATE AND FEDERAL,CIVIL AND CRIMINAL LAWS.
^C
banner incoming ^C
WARNING:
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```

```
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^C
banner login ^C
WARNING:
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^C
!
line con 0
 session-timeout 15  output
 exec-timeout 15 0
 login authentication CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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

```
ASA Version 9.0(0)129
!
terminal width 511
hostname FW-A2-MSP-1
domain-name cisco-irn.com
enable password <removed> encrypted
passwd <removed> 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 GigabitEthernet0/1.21
 vlan 21
 nameif HIPAA
 security-level 95
 ip address 10.10.184.1 255.255.255.0
!
interface GigabitEthernet0/1.22
 vlan 22
 nameif WIRELESS-HIPAA-USERS
 security-level 85
 ip address 10.10.184.1 255.255.255.0
!
interface GigabitEthernet0/1.23
 vlan 23
 nameif WIRELESS-HIPAA-DEVICES
 security-level 75
 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 CISCO ****
banner exec                                **** AUTHORIZED USERS ONLY! ****
banner exec
banner exec ANY USE OF THIS COMPUTER NETWORK SYSTEM SHALL BE DEEMED TO BE EXPRESS CONSENT
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```

```
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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 CISCO ****
banner asdm                   **** AUTHORIZED USERS ONLY! ****
banner asdm
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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 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 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 MSExchange
 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 branchs
 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 branch 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 MSExchange
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 MSExchange
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 MSExchange
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 HIPAA 1500
mtu WIRELESS-HIPAA-USERS 1500
mtu WIRELESS-HIPAA-DEVICES 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 HIPAA
icmp permit any WIRELESS-HIPAA-USERS
icmp permit any WIRELESS-HIPAA-DEVICES
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 HIPAA in interface HIPAA
access-group WIRELESS-HIPAA-USERS in interface WIRELESS-HIPAA-USERS
access-group WIRELESS-HIPAA-DEVICES in interface WIRELESS-HIPAA-DEVICES
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 CiscoACS protocol tacacs+
aaa-server CiscoACS (MSP-WAN) host 192.168.42.131
 key *****
user-identity default-domain LOCAL
aaa authentication enable console CiscoACS LOCAL
aaa authentication http console CiscoACS LOCAL
aaa authentication ssh console CiscoACS LOCAL
aaa authorization command CiscoACS LOCAL
aaa accounting enable console CiscoACS
aaa accounting ssh console CiscoACS
aaa accounting command privilege 15 CiscoACS
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 enable HIPAA
dhcprelay enable WIRELESS-HIPAA-USERS
dhcprelay enable WIRELESS-HIPAA-DEVICES
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 <removed> encrypted privilege 15
username jchambers password <removed> encrypted privilege 15
username ciscolms password <removed> encrypted privilege 15
username bmcgloth password <removed> encrypted privilege 15
!
```

```
class-map inspection_default
 match default-inspection-traffic
class-map global-class-XXX
 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 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-XXX
  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


IPS-A2-MSP-1# show configuration
! ------------------------------
! ------------------------------
! Version 7.1(6)
! Host:
!     Realm Keys          key1.0
! Signature Definition:
!     Signature Update    S648.0
! ------------------------------
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 <removed>
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

```
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 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 CiscoACS 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 CiscoACS
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 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 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
snmp-server contact XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 CISCO ****
                  **** 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 CISCO ****
                  **** 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 CiscoACS
line vty 0 4
 session-timeout 15  output
 access-class 23 in
 exec-timeout 15 0
 logging synchronous
 login authentication CiscoACS
 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 CiscoACS
 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
```