CHAPTER 54

show running-config through show running-config cts Commands

show running-config

To display the configuration that is currently running on the ASA, use the **show running-config** command in privileged EXEC mode.

show running-config [**all**] [*command*]

Syntax Description

all	Displays the entire operating configuration, including defaults.
command	Displays the configuration associated with a specific command.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	•	•	•

Command History

Release	Modification
7.0(1)	This command was modified.
8.3(1)	The command output displays encrypted passwords.

Usage Guidelines

The **show running-config** command displays the active configuration in memory (including saved configuration changes) on the ASA.

You can use the **running-config** keyword only in the **show running-config** command. You cannot use this keyword with **no** or **clear**, or as a standalone command, because the CLI treats it as an unsupported command. When you enter the **?**, **no ?**, or **clear ?** keywords, the **running-config** keyword is not listed in the command list.

To display the saved configuration in flash memory on the ASA, use the **show configuration** command.

The **show running-config** command output displays encrypted, masked, or clear text passwords when password encryption is either enabled or disabled.

Note ASDM commands appear in the configuration after you use it to connect to or configure the ASA.

Examples

The following is sample output from the **show running-config** command:

```
hostname# show running-config
: Saved
:
ASA Version 9.0(1)
```

```
names
!
interface Ethernet0
 nameif test
 security-level 10
 ip address 10.1.1.2 255.255.255.254
!
interface Ethernet1
 nameif inside
 security-level 100
 ip address 10.1.1.3 255.255.254.0
!
interface Ethernet2
 shutdown
 no nameif
 security-level 0
 no ip address
!
interface Ethernet3
 shutdown
 no nameif
 security-level 0
 no ip address
!
interface Ethernet4
 shutdown
 no nameif
 security-level 0
 no ip address
!
interface Ethernet5
 shutdown
 no nameif
 security-level 0
 no ip address
!
enable password 8Ry2YjIyt7RRXU24 encrypted
passwd 2KFQnbNIdI.2KYOU encrypted
hostname example1
domain-name example.com
boot system flash:/cdisk.bin
ftp mode passive
pager lines 24
mtu test 1500
mtu inside 1500
monitor-interface test
monitor-interface inside
ASDM image flash:ASDM
no ASDM history enable
arp timeout 14400
route inside 0.0.0.0 0.0.0.0 10.1.1.2
timeout xlate 3:00:00
timeout conn 2:00:00 half-closed 1:00:00 udp 0:02:00 icmp 1:00:00 rpc 1:00:00 h3
23 0:05:00 h225 1:00:00 mgcp 0:05:00 mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02
:00
timeout uauth 0:00:00 absolute
http server enable
http 0.0.0.0 0.0.0.0 inside
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp
fragment size 200 test
fragment chain 24 test
fragment timeout 5 test
```

```
fragment size 200 inside
fragment chain 24 inside
fragment timeout 5 inside
telnet 0.0.0.0 0.0.0.0 inside
telnet timeout 1440
ssh timeout 5
console timeout 0
group-policy todd internal
!
class-map inspection_default
 match default-inspection-traffic
!
!
policy-map abc_global_fw_policy
 class inspection_default
  inspect dns
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect http
  inspect ils
  inspect mgcp
  inspect netbios
  inspect rpc
  inspect rsh
  inspect rtsp
  inspect sip
  inspect skinny
  inspect sqlnet
  inspect tftp
  inspect xdmcp
  inspect ctiqbe
  inspect cuseeme
  inspect icmp
!
terminal width 80
service-policy abc_global_fw_policy global
Cryptochecksum:bfecf4b9d1b98b7e8d97434851f57e14
: end
```

Related Commands

Command	Description
configure	Configures the ASA from the terminal.

show running-config aaa

To show the AAA configuration in the running configuration, use the **show running-config aaa** command in privileged EXEC mode.

show running-config aaa [**accounting** | **authentication** | **authorization** | **mac-exempt** | **proxy-limit**]

Syntax Description

accounting	(Optional) Show accounting-related AAA configuration.
authentication	(Optional) Show authentication-related AAA configuration.
authorization	(Optional) Show authorization-related AAA configuration.
mac-exempt	(Optional) Show MAC address exemption AAA configuration.
proxy-limit	(Optional) Show the number of concurrent proxy connections allowed per user.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was introduced.

Examples

The following is sample output from the **show running-config aaa** command:

```
hostname# show running-config aaa
aaa authentication match infrastructure_authentication_radiusvrs infrastructure radiusvrs
aaa accounting match infrastructure_authentication_radiusvrs infrastructure radiusvrs
aaa authentication secure-http-client
aaa local authentication attempts max-fail 16
hostname#
```

Related Commands

Command	Description
aaa authentication match	Enables authentication for traffic that is identified by an access list.
aaa authorization match	Enables authorization for traffic that is identified by an access list.

Command	Description
aaa accounting match	Enables accounting for traffic that is identified by an access list.
aaa max-exempt	Specifies the use of a predefined list of MAC addresses to exempt from authentication and authorization.
aaa proxy-limit	Configure the uauth session limit by setting the maximum number of concurrent proxy connections allowed per user.

show running-config aaa-server

To display AAA server configuration, use the **show running-config aaa-server** command in privileged EXEC mode.

show running-config [**all**] **aaa-server** [*server-tag*] [(*interface-name*)] [**host** *hostname*]

Syntax Description

all	(Optional) Shows the running configuration, including default configuration values.
host *hostname*	(Optional) The symbolic name or IP address of the particular host for which you want to display AAA server statistics.
(interface-name)	(Optional) The network interface where the AAA server resides.
server-tag	(Optional) The symbolic name of the server group.

Defaults

Omitting the *server-tag* value displays the configurations for all AAA servers.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	—	—	•

Command History

Release	Modification
7.0(1)	This command was modified to adhere to CLI guidelines.

Usage Guidelines

Use this command to display the settings for a particular server group. Use the **all** parameter to display the default as well as the explicitly configured values.

Examples

To display the running configuration for the default AAA server group, use the following command:

```
hostname(config)# show running-config default aaa-server

aaa-server group1 protocol tacacs+ accounting-mode simultaneous
reactivation-mode depletion deadtime 10
max-failed-attempts 4
hostname(config)#
```

Related Commands

Command	Description
show aaa-server	Displays AAA server statistics.
clear configure aaa-server	Clears the AAA server configuration.

show running-config aaa-server host

To display AAA server statistics for a particular server, use the **show running-config aaa-server** command in global configuration or privileged EXEC mode.

show/clear aaa-server

show running-config [**all**] **aaa-server** *server-tag* [(*interface-name*)] **host** *hostname*

Syntax Description

all	(Optional) Shows the running configuration, including default configuration values.
server-tag	The symbolic name of the server group.

Defaults

Omitting the default keyword displays only the explicitly configured configuration values, not the default values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	—	—	•
Global configuration	•	•	—	—	•

Command History

Release	Modification
7.0(1)	This command was modified to adhere to CLI guidelines.

Usage Guidelines

Use this command to display the statistics for a particular server group. Use the default parameter to display the default as well as the explicitly configured values.

Examples

To display the running configuration for the server group svrgrp1, use the following command:

```
hostname(config)# show running-config default aaa-server svrgrp1
```

Related Commands

Command	Description
show running-config aaa-server	Displays AAA server settings for the indicated server, group, or protocol.
clear configure aaa	Removes the settings for all AAA servers across all groups.

show running-config access-group

To display the access group information, use the **show running-config access-group** command in privileged EXEC mode.

show running-config access-group

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was introduced.

Examples

The following is sample output from the **show running-config access-group** command:

```
hostname# show running-config access-group
access-group 100 in interface outside
```

Related Commands

Command	Description
access-group	Binds an access list to an interface.
clear configure access-group	Removes access groups from all the interfaces.

show running-config access-list

To display the access-list configuration that is running on the ASA, use the **show running-config access-list** command in privileged EXEC mode.

show running-config [**default**] **access-list** [**alert-interval** | **deny-flow-max**]

show running-config [**default**] **access-list** *id* [*saddr_ip*]

Syntax Description

alert-interval	Shows the alert interval for generating syslog message 106001, which alerts that the system has reached a deny flow maximum.
deny-flow-max	Shows the maximum number of concurrent deny flows that can be created.
id	Identifies the access list that is displayed.
saddr_ip	Shows the access list elements that contain the specified source IP address.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	Added keyword **running-config**.

Usage Guidelines

The **show running-config access-list** command allows you to display the current running access list configuration on the ASA.

Examples

The following is sample output from the **show running-config access-list** command:

```
hostname# show running-config access-list
access-list allow-all extended permit ip any any
```

Related Commands

Command	Description
access-list ethertype	Configures an access list that controls traffic based on its EtherType.
access-list extended	Adds an access list to the configuration and configures policy for IP traffic through the firewall.

Command	Description
access-list ethertype	Configures an access list that controls traffic based on its EtherType.
clear access-list	Clears an access list counter.
clear configure access-list	Clears an access list from the running configuration.

show running-config alias

To display the overlapping addresses with dual NAT commands in the configuration, use the **show running-config alias** command in privileged EXEC mode.

show running-config alias {*interface_name*}

Syntax Description

interface_name	Internal network interface name that the destination_ip overwrites.

Defaults

This command has no default settings.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	•	—	•	•

Command History

Release	Modification
7.0(1)	This command was introduced.

Examples

This example shows how to display alias information:

```
hostname# show running-config alias
```

Related Commands

Command	Description
alias	Creates an alias.
clear configure alias	Deletes an alias.

show running-config arp

To show static ARP entries created by the **arp** command in the running configuration, use the **show running-config arp** command in privileged EXEC mode.

show running-config arp

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was introduced.

Examples

The following is sample output from the **show running-config arp** command:

```
hostname# show running-config arp
arp inside 10.86.195.11 0008.023b.9893
```

Related Commands

Command	Description
arp	Adds a static ARP entry.
arp-inspection	For transparent firewall mode, inspects ARP packets to prevent ARP spoofing.
show arp	Shows the ARP table.
show arp statistics	Shows ARP statistics.

show running-config arp timeout

To view the ARP timeout configuration in the running configuration, use the **show running-config arp timeout** command in privileged EXEC mode.

show running-config arp timeout

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was changed from **show arp timeout**.

Examples

The following is sample output from the **show running-config arp timeout** command:

```
hostname# show running-config arp timeout
arp timeout 20000 seconds
```

Related Commands

Command	Description
arp	Adds a static ARP entry.
arp timeout	Sets the time before the ASA rebuilds the ARP table.
arp-inspection	For transparent firewall mode, inspects ARP packets to prevent ARP spoofing.
show arp statistics	Shows ARP statistics.

show running-config arp-inspection

To view the ARP inspection configuration in the running configuration, use the **show running-config arp-inspection** command in privileged EXEC mode.

show running-config arp-inspection

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	—	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was changed from **show arp timeout**.

Examples

The following is sample output from the **show running-config arp-inspection** command:

```
hostname# show running-config arp-inspection

arp-inspection inside1 enable no-flood
```

Related Commands

Command	Description
arp	Adds a static ARP entry.
arp-inspection	For transparent firewall mode, inspects ARP packets to prevent ARP spoofing.
clear configure arp-inspection	Clears the ARP inspection configuration.
firewall transparent	Sets the firewall mode to transparent.
show arp statistics	Shows ARP statistics.

show running-config asdm

To display the **asdm** commands in the running configuration, use the **show running-config asdm** command in privileged EXEC mode.

show running-config asdm [**group** | **location**]

Syntax Description

group	(Optional) Limits the display to the **asdm group** commands in the running configuration.
location	(Optional) Limits the display to the **asdm location** commands in the running configuration.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	•

Command History

Release	Modification
7.0(1)	This command was changed from the **show running-config pdm** command to the **show running-config asdm** command.

Usage Guidelines

To remove the **asdm** commands from the configuration, use the **clear configure asdm** command.

Note On ASAs running in multiple context mode, the **show running-config asdm group** and **show running-config asdm location** commands are only available in the system execution space.

Examples

The following is sample output from the **show running-configuration asdm** command:

```
hostname# show running-config asdm
asdm image flash:/ASDM
asdm history enable
hostname#
```

Related Commands

Command	Description
show asdm image	Displays the current ASDM image file.

show running-config auth-prompt

To displays the current authentication prompt challenge text, use the **show running-config auth-prompt** command in global configuration mode.

show running-config [**default**] **auth-prompt**

Syntax Description

default	(Optional) Display the default authentication prompt challenge text.

Defaults

Display the configured authentication prompt challenge text.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	•	—	—	•

Command History

Release	Modification
7.0(1)	This command was modified for this release to conform to CLI guidelines.

Usage Guidelines

After you configure the authentication prompt with the **auth-prompt** command, use the **show running-config auth-prompt** command to view the current prompt text.

Examples

The following example shows the output of the **show running-config auth-prompt** command:

```
hostname(config)# show running-config auth-prompt
auth-prompt prompt Please login:
auth-prompt accept You're in!
auth-prompt reject Try again.
hostname(config)#
```

Related Commands

auth-prompt	Set the user authorization prompts.
clear configure auth-prompt	Reset the user authorization prompts to the default value.

show running-config banner

To display the specified banner and all the lines that are configured for it, use the **show running-config banner** command in privileged EXEC mode.

show running-config banner [**exec | login | motd**]

Syntax Description

exec	(Optional) Displays the banner before the enable prompt.
login	(Optional) Displays the banner before the password login prompt when accessing the ASA using Telnet.
motd	(Optional) Displays the message-of-the-day banner.

Defaults

This command has no default settings.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	•

Command History

Release	Modification
7.0(1)	The **running-config** keyword was added.

Usage Guidelines

The **show running-config banner** command displays the specified banner keyword and all the lines configured for it. If a keyword is not specified, then all banners display.

Examples

This example shows how to display the message-of-the-day (motd) banner:

```
hostname# show running-config banner motd
```

Related Commands

Command	Description
banner	Creates a banner.
clear configure banner	Deletes a banner.

show running-config call-home

To display the Call Home running configuration, use the **show running-config call-home** command in privileged EXEC mode.

[**cluster exec**] **show running-config call-home**

Syntax Description

cluster exec	(Optional) In a clustering environment, enables you to issue the **show running-config call-home** command in one unit and run the command in all the other units at the same time.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	•	—	•

Command History

Release	Modification
8.2(2)	This command was introduced.
9.1(3)	A new type of Smart Call Home message has been added to include the output of the **show cluster history** command and **show cluster info** command.

Examples

The following is sample output from the **cluster exec show running-config call-home** command:

```
hostname# cluster exec show running-config call-home
A(LOCAL):************************************************************
service call-home
call-home
 contact-email-addr test@yahoo.com
 mail-server 10.105.206.139 priority 5
 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 5
  subscribe-to-alert-group configuration periodic monthly 5
  subscribe-to-alert-group telemetry periodic daily
 profile test
  destination address email user2@mail.cisco.com
  destination transport-method email
  subscribe-to-alert-group configuration periodic daily
```

```
B:********************************************************************
service call-home
call-home
 contact-email-addr test@yahoo.com
 mail-server 10.105.206.139 priority 5
 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 24
  subscribe-to-alert-group configuration periodic monthly 24
  subscribe-to-alert-group telemetry periodic daily
 profile test
  destination address email user2@mail.cisco.com
  destination transport-method email
  subscribe-to-alert-group configuration periodic daily


C:********************************************************************
service call-home
call-home
 contact-email-addr test@yahoo.com
 mail-server 10.105.206.139 priority 5
 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 1
  subscribe-to-alert-group configuration periodic monthly 1
  subscribe-to-alert-group telemetry periodic daily
 profile test
  destination address email user2@mail.cisco.com
  destination transport-method email
  subscribe-to-alert-group configuration periodic daily


D:********************************************************************
service call-home
call-home
 contact-email-addr test@yahoo.com
 mail-server 10.105.206.139 priority 5
 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 5
  subscribe-to-alert-group configuration periodic monthly 5
  subscribe-to-alert-group telemetry periodic daily
 profile test
  destination address email user2@mail.cisco.com
  destination transport-method email
  subscribe-to-alert-group configuration periodic daily
```

Related Commands

Command	Description
call-home	Enters call home configuration mode.
call-home send alert-group	Sends a specific alert group message.
service call-home	Enables or disables Call Home.

show running-config class

To show the resource class configuration, use the **show running-config class** command in privileged EXEC mode.

show running-config class

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	—	—	•

Command History

Release	Modification
7.2(1)	This command was introduced.

Examples

The following is sample output from the **show running-config class** command:

```
hostname# show running-config class

class default
  limit-resource All 0
  limit-resource Mac-addresses 65535
  limit-resource ASDM 5
  limit-resource SSH 5
  limit-resource Telnet 5
```

Related Commands

Command	Description
class	Configures a resource class.
clear configure class	Clears the class configuration.
context	Configures a security context.
limit-resource	Sets the resource limit for a class.
member	Assigns a context to a resource class.

show running-config class-map

To display the information about the class map configuration, use the **show running-config class-map** command in privileged EXEC mode.

show running-config [**all**] **class-map** [*class_map_name* | **type** {**management** | **regex** | **inspect** [*protocol*]}]

Syntax Description

all	(Optional) Shows all commands, including the commands you have not changed from the default.
class_map_name	(Optional) Shows the running configuration for a class map name.
inspect	(Optional) Shows inspection class maps.
management	(Optional) Shows management class maps.
protocol	(Optional) Specifies the type of application map you want to show. Available types include: • **dns** • **ftp** • **h323** • **http** • **im** • **p2p-donkey** • **sip**
regex	(Optional) Shows regular expression class maps.
type	(Optional) Specifies the type of class map you want to show. To show Layer 3/4 class maps, to not specify the type.

Defaults

The **class-map class-default** command, which contains a single **match any** command is the default class map.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	Added keyword **running-config**.

Examples

The following is sample output from the **show running-config class-map** command:

```
hostname# show running-config class-map
class-map tcp-port
  match port tcp eq ftp
hostname#
```

Related Commands

Command	Description
class-map	Applies a traffic class to an interface.
clear configure class-map	Removes all of the traffic map definitions.

show running-config client-update

To display global client-update configuration information, use the **show running-config client-update** command in global configuration mode or in tunnel-group ipsec-attributes configuration mode.

show running-config client-update

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	•	—	—	•
Tunnel-group ipsec-attributes configuration	•	—	•	—	—

Command History

Release	Modification
7.0(1)	This command was introduced.
7.1(1)	Added tunnel-group ipsec-attributes configuration mode.

Usage Guidelines

Use this command to display global client-update configuration information.

Examples

This example shows a **show running-config client-update** command in global configuration mode and its output for a configuration with client-update enabled:

```
hostname(config)# show running-config client-update
hostname(config)# client-update enable
```

Related Commands

Command	Description
clear configure client-update	Clears the entire client-update configuration.
client-update	Configures client-update.

show running-config clock

To show the clock configuration in the running configuration, use the **show running-config clock** command in privileged EXEC mode.

show running-config [**all**] **clock**

Syntax Description

all	(Optional) Shows all **clock** commands, including the commands you have not changed from the default.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	—	•

Command History

Release	Modification
7.0(1)	This command was introduced.

Usage Guidelines

The **all** keyword also displays the exact day and time for the **clock summer-time** command, as well as the default setting for the offset, if you did not originally set it.

Examples

The following is sample output from the **show running-config clock** command. Only the **clock summer-time** command was set.

```
hostname# show running-config clock
clock summer-time EDT recurring
```

The following is sample output from the **show running-config all clock** command. The default setting for the unconfigured **clock timezone** command displays, and the detailed information for the **clock summer-time** command displays.

```
hostname# show running-config all clock
clock timezone UTC 0
clock summer-time EDT recurring 1 Sun Apr 2:00 last Sun Oct 2:00 60
```

Related Commands

Command	Description
clock set	Manually sets the clock on the ASA.

Command	Description
clock summer-time	Sets the date range to show daylight saving time.
clock timezone	Sets the time zone.

show running-config cluster

To show the cluster configuration, use the **show running-config cluster** command in privileged EXEC mode.

show running-config [**all**] **cluster**

Syntax Description

all	(Optional) Shows the running configuration, including default configuration values.

Command Default

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	—	•

Command History

Release	Modification
9.0(1)	We introduced this command.

Usage Guidelines

Use the **clear configure cluster** command to clear the cluster configuration.

Examples

The following is sample output from the **show running-config cluster** command:

```
hostname(config)# show running-config cluster
cluster group cluster1
 local-unit asa1
 cluster-interface Port-channel2 ip 10.10.10.1 255.255.255.0
 priority 2
 health-check holdtime 0.9
 clacp system-mac auto system-priority 5
```

Related Commands

Command	Description
clacp system-mac	When using spanned EtherChannels, the ASA uses cLACP to negotiate the EtherChannel with the neighbor switch.
clear configure cluster	Clears the cluster configuration.
cluster group	Names the cluster and enters cluster configuration mode.
cluster-interface	Specifies the cluster control link interface.

Command	Description
cluster interface-mode	Sets the cluster interface mode.
conn-rebalance	Enables connection rebalancing.
console-replicate	Enables console replication from slave units to the master unit.
enable (cluster group)	Enables clustering.
health-check	Enables the cluster health check feature, which includes unit health monitoring and interface health monitoring.
key	Sets an authentication key for control traffic on the cluster control link.
local-unit	Names the cluster member.
mtu cluster-interface	Specifies the maximum transmission unit for the cluster control link interface.
priority (cluster group)	Sets the priority of this unit for master unit elections.

show running-config command-alias

To display the command aliases that are configured, use the **show running-config command-alias** command in privileged EXEC mode.

show running-config [**all**] **command-alias**

Syntax Description

all	(Optional) Displays all command aliases configured, including defaults.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	•

Command History

Release	Modification
7.0(1)	This command was introduced.

Usage Guidelines

If you do not enter the **all** keyword, only non-default command aliases appear.

Examples

The following is sample output from the **show running-config all command-alias** command, which displays all command aliases that are configured on the ASA, *including* defaults:

```
hostname# show running-config all command-alias
command-alias exec h help
command-alias exec lo logout
command-alias exec p ping
command-alias exec s show
command-alias exec save copy running-config startup-config
```

The following is sample output from the **show running-config all command-alias** command, which displays all command aliases that are configured on the ASA, *excluding* defaults:

```
hostname# show running-config command-alias
command-alias exec save copy running-config startup-config
hostname#
```

Related Commands

Command	Description
command-alias	Creates a command alias.
clear configure command-alias	Deletes all non-default command aliases.

show running-config compression

To display the compression configuration in the running configuration, use the **show running-config compression** command from privileged EXEC mode:

show running-config compression

Defaults

There is no default behavior for this command.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	—	•	—	—

Command History

Release	Modification
7.1(1)	This command was introduced.

Examples

The following example shows the compression configuration within the running configuration:

```
hostname# show running-config compression
compression svc http-comp
```

Related Commands

Command	Description
compression	Enables compression for all SVC, WebVPN, and Port Forwarding connections.

show running-config console timeout

To display the console connection timeout value, use the **show running-config console timeout** command in privileged EXEC mode.

show running-config console timeout

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	•	•	•	•

Command History

Release	Modification
7.0(1)	This command was introduced.

Examples

The following is sample output from the **show running-config console timeout** command:

```
hostname# show running-config console timeout
console timeout 0
```

Related Commands

Command	Description
console timeout	Sets the idle timeout for a console connection to the ASA.
clear configure console	Resets the console connection settings to defaults.

show running-config context

To show the context configuration in the system execution space, use the **show running-config context** command in privileged EXEC mode.

show running-config [**all**] **context**

Syntax Description

all	(Optional) Shows all commands, including the commands you have not changed from the default. If you use the **mac-address auto** command, then you can view the assigned MAC addresses using the **all** keyword.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	—	—	•

Command History

Release	Modification
7.0(1)	This command was introduced.
8.0(5)/8.2(2)	When using the **all** keyword, you can view assigned MAC addresses to shared interfaces when you configure the **mac-address auto** command.

Usage Guidelines

If you use the **mac-address auto** command to generate unique MAC addresses for shared interfaces, the **all** option is required to view the assigned MAC addresses. Although the **mac-address auto** command is user-configurable in global configuration mode only, the **mac-address auto** command appears as a read-only entry in the configuration for each context along with the assigned MAC address. Only shared interfaces that are configured with a **nameif** command within the context have a MAC address assigned.

Note If you manually assign a MAC address to an interface, but also have auto-generation enabled, the auto-generated address continues to show in the configuration even though the manual MAC address is the one that is in use. If you later remove the manual MAC address, the auto-generated one shown will be used.

Examples

The following output from the **show running-config all context admin** command shows the primary and standby MAC address assigned to the Management0/0 interface:

```
hostname# show running-config all context admin
```

```
context admin
  allocate-interface Management0/0
  mac-address auto Management0/0 a24d.0000.1440 a24d.0000.1441
  config-url disk0:/admin.cfg
```

The following output from the **show running-config all context** command shows all the MAC addresses (primary and standby) for all context interfaces. Note that because the GigabitEthernet0/0 and GigabitEthernet0/1 main interfaces are not configured with a **nameif** command inside the contexts, no MAC addresses have been generated for them.

```
hostname# show running-config all context

admin-context admin
context admin
  allocate-interface Management0/0
  mac-address auto Management0/0 a2d2.0400.125a a2d2.0400.125b
  config-url disk0:/admin.cfg
!

context CTX1
  allocate-interface GigabitEthernet0/0
  allocate-interface GigabitEthernet0/0.1-GigabitEthernet0/0.5
  mac-address auto GigabitEthernet0/0.1 a2d2.0400.11bc a2d2.0400.11bd
  mac-address auto GigabitEthernet0/0.2 a2d2.0400.11c0 a2d2.0400.11c1
  mac-address auto GigabitEthernet0/0.3 a2d2.0400.11c4 a2d2.0400.11c5
  mac-address auto GigabitEthernet0/0.4 a2d2.0400.11c8 a2d2.0400.11c9
  mac-address auto GigabitEthernet0/0.5 a2d2.0400.11cc a2d2.0400.11cd
  allocate-interface GigabitEthernet0/1
  allocate-interface GigabitEthernet0/1.1-GigabitEthernet0/1.3
  mac-address auto GigabitEthernet0/1.1 a2d2.0400.120c a2d2.0400.120d
  mac-address auto GigabitEthernet0/1.2 a2d2.0400.1210 a2d2.0400.1211
  mac-address auto GigabitEthernet0/1.3 a2d2.0400.1214 a2d2.0400.1215
  config-url disk0:/CTX1.cfg
!

context CTX2
  allocate-interface GigabitEthernet0/0
  allocate-interface GigabitEthernet0/0.1-GigabitEthernet0/0.5
  mac-address auto GigabitEthernet0/0.1 a2d2.0400.11ba a2d2.0400.11bb
  mac-address auto GigabitEthernet0/0.2 a2d2.0400.11be a2d2.0400.11bf
  mac-address auto GigabitEthernet0/0.3 a2d2.0400.11c2 a2d2.0400.11c3
  mac-address auto GigabitEthernet0/0.4 a2d2.0400.11c6 a2d2.0400.11c7
  mac-address auto GigabitEthernet0/0.5 a2d2.0400.11ca a2d2.0400.11cb
  allocate-interface GigabitEthernet0/1
  allocate-interface GigabitEthernet0/1.1-GigabitEthernet0/1.3
  mac-address auto GigabitEthernet0/1.1 a2d2.0400.120a a2d2.0400.120b
  mac-address auto GigabitEthernet0/1.2 a2d2.0400.120e a2d2.0400.120f
  mac-address auto GigabitEthernet0/1.3 a2d2.0400.1212 a2d2.0400.1213
  config-url disk0:/CTX2.cfg
!
```

Related Commands

Command	Description
admin-context	Sets the admin context.
allocate-interface	Assigns interfaces to a context.
changeto	Changes between contexts or the system execution space.
config-url	Specifies the location of the context configuration.

Command	Description
context	Creates a security context in the system configuration and enters context configuration mode.
mac-address auto	Automatically generates unique MAC addresses for shared interfaces.

show running-config crypto

To display the entire crypto configuration including IPsec, crypto maps, dynamic crypto maps, and ISAKMP, use the **show running-config crypto** command in global configuration or privileged EXEC mode.

show running-config crypto

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	—	•	—	—
Privileged EXEC	•	—	•	—	—

Command History

Release	Modification
7.0(1)	This command was introduced.
8.2(3)	Added **crypto engine large-mod-accel** command.

Examples

The following is sample output from the **show running-config crypto** command:

```
hostname# show running-config crypto
crypto ipsec transform-set example1 esp-aes esp-sha-hmac
crypto ipsec security-association lifetime seconds 28800
crypto ipsec security-association lifetime kilobytes 4608000
crypto engine large-mod-accel
crypto map mymap 10 match address L2L
crypto map mymap 10 set peer 75.5.33.1
crypto map mymap 10 set transform-set myset
crypto map mymap 10 set security-association lifetime seconds 28800
crypto map mymap 10 set security-association lifetime kilobytes 4608000
crypto map mymap interface outside
crypto isakmp enable outside
crypto isakmp policy 10
 authentication pre-share
 encryption aes
 hash sha
 group 2
 lifetime 86400
```

Related Commands

Command	Description
clear configure isakmp	Clears all the ISAKMP configuration.
clear configure isakmp policy	Clears all ISAKMP policy configuration.
clear isakmp sa	Clears the IKE runtime SA database.
isakmp enable	Enables ISAKMP negotiation on the interface on which the IPsec peer communicates with the ASA.
show isakmp sa	Displays IKE runtime SA database with additional information.

show running-config crypto dynamic-map

To view a dynamic crypto map, use the **show running-config crypto dynamic-map** command in global configuration or privileged EXEC mode.

show running-config crypto dynamic-map

Syntax Description

This command has no arguments or keywords.

Defaults

No default behaviors or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	•	•	•	—
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was introduced.
9.0(1)	Support for multiple context mode was added.

Examples

The following example entered in global configuration mode, displays all configuration information about crypto dynamic maps:

```
hostname(config)# show running-config crypto dynamic-map

Crypto Map Template "dyn1" 10

        access-list 152 permit ip host 172.21.114.67 any
        Current peer: 0.0.0.0
        Security association lifetime: 4608000 kilobytes/120 seconds
        PFS (Y/N): N
        Transform sets={ tauth, t1, }
```

Related Commands

Command	Description
clear configure isakmp	Clears all the ISAKMP configuration.
clear configure isakmp policy	Clears all ISAKMP policy configuration.
clear isakmp sa	Clears the IKE runtime SA database.

Command	Description
isakmp enable	Enables ISAKMP negotiation on the interface on which the IPsec peer communicates with the ASA.
show isakmp sa	Displays IKE runtime SA database with additional information.

show running-config crypto engine

To show if large modulus operations are switched to hardware, use the **crypto engine large-mod-accel** command in privileged EXEC mode.

show running-config crypto engine

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
privileged EXEC	•	•	•	•	—

Command History

Release	Modification
8.2(3)	This command was introduced.
9.0(1)	Support for multiple context mode was added.

Usage Guidelines

This command is available only with the ASA models 5510, 5520, 5540, and 5550. If the CLI displays `crypto engine large-mod-accel` in response, the ASA is configured to run large modulus operations on the hardware instead of the software. The **crypto engine large-mod-accel** command specifies this switch.

If you enter this command and the CLI responds only by redisplaying the prompt, the ASA is configured to run large modulus operations on the software.

Example

The following example response to this command shows that large modulus operations are configured to run on hardware:

```
hostname# show running-config crypto engine
crypto engine large-mod-accel
```

Related Commands

Command	Description
crypto engine large-mod-accel	Switches large modulus operations from software to hardware.
clear configure crypto engine	Returns large modulus operations to software.

show running-config crypto ipsec

To display the complete IPsec configuration, use the **show running-config crypto ipsec** command in global configuration or privileged EXEC mode.

show running-config crypto ipsec

Syntax Description

This command has no default behavior or values.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	—	•	•	—
Privileged EXEC	•	—	•	•	—

Command History

Release	Modification
7.0(1)	This command was introduced.
9.0(1)	Support for multiple context mode was added.

Examples

The following example issued in global configuration mode, displays information about the IPsec configuration:

```
hostname(config)# show running-config crypto ipsec
crypto ipsec transform-set ttt esp-3des esp-md5-hmac
```

Related Commands

Command	Description
clear configure isakmp	Clears all the ISAKMP configuration.
clear configure isakmp policy	Clears all ISAKMP policy configuration.
clear isakmp sa	Clears the IKE runtime SA database.
isakmp enable	Enables ISAKMP negotiation on the interface on which the IPsec peer communicates with the ASA.
show isakmp sa	Displays IKE runtime SA database with additional information.

show running-config crypto isakmp

To display the complete ISAKMP configuration, use the **show running-config crypto isakmp** command in global configuration or privileged EXEC mode.

show running-config crypto isakmp

Syntax Description

This command has no default behavior or values.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	—	•	•	—
Privileged EXEC	•	—	•	•	—

Command History

Release	Modification
7.0(1)	The **show running-config isakmp** command was introduced.
7.2(1)	This command was deprecated. The **show running-config crypto isakmp** command replaces it.
9.0(1)	Support for multiple context mode was added.

Examples

The following example issued in global configuration mode, displays information about the ISKAKMP configuration:

```
hostname(config)# show running-config crypto isakmp
crypto isakmp enable inside
crypto isakmp policy 1 authentication pre-share
crypto isakmp policy 1 encryption 3des
crypto isakmp policy 1 hash md5
crypto isakmp policy 1 group 2
crypto isakmp policy 1 lifetime 86400
hostname(config)#
```

Related Commands

Command	Description
clear configure crypto isakmp	Clears all the ISAKMP configuration.
clear configure crypto isakmp policy	Clears all ISAKMP policy configuration.
clear crypto isakmp sa	Clears the IKE runtime SA database.

Command	Description
crypto isakmp enable	Enables ISAKMP negotiation on the interface on which the IPsec peer communicates with the ASA.
show crypto isakmp sa	Displays IKE runtime SA database with additional information.

show running-config crypto map

To display all configuration for all crypto maps, use the **show running-config crypto map** command in global configuration or privileged EXEC mode.

show running-config crypto map

Syntax Description

This command has no arguments or keywords.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Global configuration	•	•	•	•	—
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
7.0(1)	This command was introduced.
9.0(1)	Support for multiple context mode was added.

Examples

The following example entered in privileged EXEC mode, displays all configuration information for all crypto maps:

```
hostname# show running-config crypto map
crypto map abc 1 match address xyz
crypto map abc 1 set peer 209.165.200.225
crypto map abc 1 set transform-set ttt
crypto map abc interface test
```

Related Commands

Command	Description
clear configure isakmp	Clears all the ISAKMP configuration.
clear configure isakmp policy	Clears all ISAKMP policy configuration.
clear isakmp sa	Clears the IKE runtime SA database.
isakmp enable	Enables ISAKMP negotiation on the interface on which the IPsec peer communicates with the ASA.
show isakmp sa	Displays IKE runtime SA database with additional information.

show running-config ctl-file

To show configured CTL file instances, use the **show running-config ctl-file** command in privileged EXEC mode.

show running-config [**all**] **ctl-file** [*ctl_name*]

Syntax Description

ctl_name	(Optional) Specifies the name of the CTL file instance.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	Routed	Transparent	Single	Context	System
Privileged EXEC	•	—	•	—	—

Command History

Release	Modification
8.0(4)	The command was introduced.

Examples

The following example shows the use of the **show running-config ctl-file** command to show configured CTL file instances:

```
hostname# show running-config all ctl-file asa_ctl
```

Related Commands

Command	Description
ctl-file (global)	Specifies the CTL file to create for Phone Proxy configuration or the CTL file to parse from Flash memory.
ctl-file (phone-proxy)	Specifies the CTL file to use for Phone Proxy configuration.
phone-proxy	Configures the Phone Proxy instance.

show running-config cts

To display all currently configured Cisco TrustSec (CTS) commands, use the **show running-config cts** command in privileged EXEC mode.

show running-config [**all**] **cts** [**server-group**] [**sxp**]

Syntax Description

all	Shows all default CTS configuration values and the Security eXchange Protocol (SXP) configuration.
server-group	Shows the server group configuration.
sxp	Shows the SXP configuration.

Defaults

No default behavior or values.

Command Modes

The following table shows the modes in which you can enter the command:

	Firewall Mode		Security Context		
				Multiple	
Command Mode	**Routed**	**Transparent**	**Single**	**Context**	**System**
Privileged EXEC	•	•	•	•	—

Command History

Release	Modification
9.0(1)	This command was introduced.

Examples

The following is sample output of the **show running-config cts** command:

```
hostname# show running-config cts
cts server-group ise
cts sxp enable
cts sxp default password *****
cts sxp reconciliation period 10
cts sxp retry period 3
cts sxp connection peer 10.0.0.248 password default mode peer speaker
```

The following is sample output of the **show running-config all cts** command:

```
hostname# show running-config all cts

cts server-group ctsgroup

no cts sxp enable
no cts sxp default password
cts sxp retry period 120
cts sxp reconcile period 120
```

Related Commands

Command	Description
show cts	Shows the SXP connections for the running configuration.
show cts environment	Shows the health and status of the environment data refresh operation.