QUANTUM NETWORKS Network Switch CLI Enterprise Switches User Guide

Network Switch CLI Guide
Auto-Update and Auto-Configuration

Contents

Auto-Update and Auto-Configuration Commands

boot host auto-config

Syntax	boot host auto-config [tftp |scp |auto[extension]] no boot host auto-config
Parameters	tftp—Only the TFTP protocol is used by auto-configuration. scp—Only the SCP protocol is used by auto-configuration. auto—(Default) Auto-configuration uses the TFTP or SCP protocol dependingon the configuration file's extension. If this option is selected, the extension parameter may be specified or, if not, the default extension is used. extension—The SCP file extension. When no value is specified, 'scp' is used. (Range: 1-16 characters)
Default Configuration	Auto configuration via DHCP is disabled.
Command Mode	Global configuration mode.
Usage	Use the boot host auto-config Global Configuration mode command to enable autoconfiguration via DHCP. Use the no form of this command to disable DHCP auto configuration.
Example	Example 1. The following example specifies the auto mode and specifies "scon" as the SCP extension: switchxxxxxx(config)# boot host auto-config autoscon Example 2. The following example specifies the auto mode and does not provide an SCP extension. In this case "scp" is used. switchxxxxxx(config)# boot host auto-config auto Example 3. The following example specifies that only the SCP protocol will be used: switchxxxxxx(config)# boot host auto-config scp
User Guideline	The TFTP or SCP protocol is used to download/upload a configuration file.

boot host auto-update

Syntax	boot host auto-update [tftp |scp|auto [extension]] no boot host auto-update
Parameters	tftp—Only the TFTP protocol is used by auto-update. scp—Only the SCP protocol is used by auto-update. auto (Default)—Auto-configuration uses the TFTP or SCP protocol depending on the Indirect image file's extension. If this option is selected,the extension parameter may be specified or, if not, the default extension isused. extension—The SCP file extension. When no value is specified, 'scp' is used.(Range: 1-16 characters)
Default Configuration	Auto update via DHCP is disabled.
Command Mode	Global Configuration mode.
Usage	Use the boot host auto-update Global Configuration mode command toenable the su pport of auto update via DHCP. Use the no form of this command to disable DHCP auto configuration.
Example	Example 1—The following example specifies the auto mode and specifies "scon"as t he SCP extension: switchxxxxxx(config)# boot host auto-update auto scon Example 2—The following example specifies the auto mode and does not providean SCP extension. In this case "scp" is used. switchxxxxxx(config)# boot host auto-upda te auto Example 3—The following example specifies that only the SCP protocol will beused: switchxxxxxx(config)# boot host auto-update scp
User Guideline	The TFTP or SCP protocol is used to download/upload an image file.

show boot

Syntax	show boot
Parameters	N/A.
Default Configuration	N/A.
Command Mode	Privileged EXEC mode.
Usage	Use the show boot Privilege EXEC mode command to show the status of the IPDHCP Auto Config process.
Example	switchxxxxxx# show boot Auto Config ConfigDownloadviaDHCP:enabled Download Protocol:auto SCPprotocolwillbeusedforfileswithextension:scp Configuration file auto-save:enabled AutoConfigState:FinishedsuccessfullyServer IP **address: 1.2.20.2** Configuration filename: /config/configfile1.cfgAuto Update Image Download via DHCP: enabled switchxxxxxx# show boot Auto Config ConfigDownloadviaDHCP:enabled Download Protocol:scp Configuration file auto-save: enabled AutoConfigState:Opening<hostname>-configfileAuto Update Image Download via DHCP: enabled switchxxxxxx# show boot Auto Config Config Download via DHCP: enabled “Download Protocol: scp Configurationfile auto-save:enabled AutoConfigState:DownloadingconfigurationfileAuto Update Image Download via DHCP: enabled switchxxxxxx# show boot Auto Config Config Download via DHCP: enabled Download Protocol: tftp Configuration file auto-save: enabled Auto Config State: Searching device hostname in indirect file Auto Update Image Download via DHCP: enabled switchxxxxxx# show boot Auto Config Config Download via DHCP: enabled Download Protocol: tftp Configuration file auto-save: enabled Auto Update Image Download via DHCP: enabled Auto Update State: Downloaded indirect image file Indirect Image filename: /image/indirectimage.txt
User Guideline	–

ip dhcp tftp-server ip address

Syntax	ip dhcp tftp-server ip address ip-addr no ip dhcp tftp-server ip address
Parameters	ip-addr—IPv4 Address, or IPv6 Address or DNS name of TFTP or SCPserver.
Default Configuration	No IP address.
Command Mode	Global Configuration mode.
Usage	Use the ip dhcp tftp-server ip address Global Configuration mode command to set th e backup server's IP address. This address server as the default address used by a switch when it has not been received from the DHCP server. Use the no form of the command to return to default.
Example	Example 1. The example specifies the IPv4 address of TFTP server: switchxxxxxx(config)# ip dhcp tftp-server ip address 10.5.234.232 Example 2. The example specifies the IPv6 address of TFTP server: switchxxxxxx(config)# ip dhcp tftp-server ip address 3000:1::12 Example 3. The example specifies the IPv6 address of TFTP server: switchxxxxxx(config)# ip dhcp tftp-server ip address **tftpserver.company.com**
User Guideline	The backup server can be a TFTP server or a SCP server.

ip dhcp tftp-serverfile

Syntax	ip dhcp tftp-server file file-path no ip dhcp tftp-server file
Parameters	file-path—Full file path and name of the configuration file on the server.
Default Configuration	No file name.
Command Mode	Global Configuration mode.
Usage	Use the ip dhcp tftp-server file Global Configuration mode command to set the fullfile name of the configuration file to be downloaded from the backup server when it has n ot been received from the DHCP server. Use the no form of this command to remove the name.
Example	switchxxxxxx(config)# ip dhcp tftp-server file conf/conf-file
User Guideline	The backup server can be a TFTP server or an SCP server.

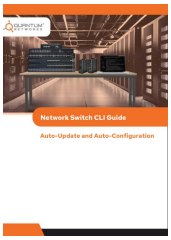
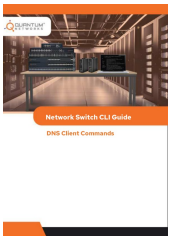
ip dhcp tftp-server image file

Syntax	ip dhcp tftp-server image file file-path no ip dhcp tftp-server image file
Parameters	file-path—Full indirect file path and name of the configuration file on the server.
Default Configuration	No file name.
Command Mode	Global Configuration mode.
Usage	Use the ip dhcp tftp-server image file Global Configuration mode command toset the indirect file name of the image file to be downloaded from the backup server when it has not been received from the DHCP server. Use the no form of this command to remove the file name.
Example	switchxxxxxx(config)#ip dhcp tftp-server image file imag/imag-file
User Guideline	The backup server can be a TFTP server or a SCP server.

show ip dhcp tftp-server

Syntax	show ip dhcp tftp-server
Parameters	N/A.
Default Configuration	N/A.
Command Mode	User EXEC mode.
Usage	Use the show ip dhcp tftp-server EXEC mode command to display information about the backup server.
Example	show ip dhcp tftp-server server address active 1.1.1.1fromsname manual 2.2.2.2 file path on server active conf/conf-filefromoption67manual conf/conf-file1
User Guideline	The backup server can be a TFTP server or a SCP server.

Documents / Resources

	QUANTUM NETWORKS Network Switch CLI Enterprise Switches [pdf] User Guide Network Switch CLI Enterprise Switches, Switch CLI Enterprise Switches, CLI Enterprise Switches, Switches
	QUANTUM NETWORKS Network Switch CLI Enterprise Switches [pdf] User Guide Network Switch CLI Enterprise Switches, Switch CLI Enterprise Switches, CLI Enterprise Switches, Enterprise Switches

References

- User Manual