

LANTRONIX®



SGX 5150 IoT Device Gateway Command Reference

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Revision History

| Date | Rev. | Comments |
|--------------|------|---|
| October 2016 | A | Initial document with firmware revision 8.0.0.0. |
| November | B | Updated document to include firmware features of all models of the SGX 5150 IoT device gateway. |

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1: About This Guide

This document describes how to configure the Lantronix® SGX 5150 IoT device gateway using the Command Line Interface (CLI) and/or Extensible Markup Language (XML). CLI provides an interactive mode for accessing the device configuration and management interface. It is most suited for system and network administrators comfortable with using similar interfaces on enterprise IT and networking products. It is also helpful as a quick tool for access via the product's serial ports or console/management ports. XML provides an extensible mode for software developers interfacing with the device and system integrators performing batch provisioning/updates.

Chapter Summaries

This table lists and summarizes the content of each chapter.

| Chapter | Summary |
|--|---|
| 2: Overview | Gives an overview of CLI and XML. |
| 3: Command Line Interface | Lists commands and describes how to use CLI to configure the SGX 5150 IoT device gateway. |
| 4: Configuration Using XML | Lists XML Configuration Record (XCR) groups and items and describes how to use XCRs to configure the SGX 5150 IoT device gateway. |
| 5: Commands and Levels | Provides an index of the CLI command hierarchy with hyperlinks to the corresponding command details. |

Conventions

The table below lists and describes the conventions used in this book.

| Convention | Description |
|---------------------------------|--|
| Bold text | Default parameters |
| <i>Italic text</i> | Required values for parameters. |
| Square Brackets [] | Optional parameters. |
| Angle Brackets < > | Possible values for parameters. |
| Pipe | Choice of parameters. |
| Warning | <i>Warning:</i> Means that you are in a situation that could cause equipment damage or bodily injury. Before you work on any equipment, you must be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. |
| Note | <i>Note:</i> Means take notice. Notes contain helpful suggestions, information, or references to material not covered in the publication. |
| Caution | <i>Caution:</i> Means you might do something that could result in faulty equipment operation or loss of data. |
| Screen Font | CLI terminal sessions and examples of CLI input are depicted in <code>courier new</code> font. |

Additional Documentation

Visit the Lantronix website at www.Lantronix.com/support/documentation for all latest Lantronix documentation which includes the latest versions of the SGX 5150 IoT device gateway-related documentation listed below.

| Document | Description |
|---|---|
| <i>SGX 5150 IoT Device Gateway User Guide</i> | Describes how to configure and use the SGX 5150 IoT device gateway. |
| <i>SGX 5150 IoT Device Gateway Product Brief</i> | Provides key feature, SKU option, technical specifications, and order information about the SGX 5150 IoT device gateway. |
| <i>Com Port Redirector Quick Start and Online Help</i> | Instructions for using the Lantronix Windows® operating system (OS) -based utility to create virtual com ports. |
| <i>DeviceInstaller Online Help</i> | Instructions for using the Lantronix Windows OS-based utility to locate and view the current settings of the SGX 5150 IoT device gateway. |

2: Overview

The SGX 5150 IoT device gateway supports three convenient configuration methods: Web Manager, CLI, and XML. For more information about Web Manager, see the *SGX 5150 IoT Device Gateway User Guide* available at www.Lantronix.com/support/documentation.

XML Architecture and Device Control

XML is a fundamental building block for Machine-to-Machine (M2M) and Internet of Things (IoT) networks. The SGX 5150 IoT device gateway supports XML configuration records that make configuring the SGX 5150 unit easy for users and administrators. XML configuration records are easy to edit with a standard text editor or an XML editor.

For a brief overview of XML, see [4: Configuration Using XML](#). It provides guidelines for basic XML syntax, the specific XML tags used, and XML configuration records.

Command Line Interface

Making the edge-to-enterprise vision a reality, the SGX 5150 IoT device gateway uses industry-standard tools for configuration, communication, and control. For example, the SGX 5150 IoT device gateway uses a command line interface (CLI) whose syntax is very similar to that used by data center equipment such as routers and hubs.

For details of the CLI, see [5: Commands and Levels](#). It provides an index of the CLI Command Hierarchy with links to the corresponding command details. The CLI provides commands for configuring, monitoring, and controlling the SGX 5150 IoT device gateway.

3: Command Line Interface

This chapter describes accessing the SGX 5150 IoT device gateway by using Telnet, SSH, or serial ports to configure the device, navigating the CLI, typing keyboard shortcuts, and moving between the levels.

It contains the following sections:

- ◆ [Configuration Using Telnet](#)
- ◆ [Configuration Using the Serial Lines](#)
- ◆ [Navigating the CLI Hierarchy](#)
- ◆ [Using Keyboard Shortcuts and CLI](#)
- ◆ [Understanding the CLI Level Hierarchy](#)

Refer to [Chapter 5: Commands and Levels](#) for a complete list of levels, commands, and descriptions.

Configuration Using Telnet

To access and configure the SGX 5150 IoT device gateway by using a Telnet session over the network, you must first establish a Telnet connection. You can also establish a Telnet connection by clicking the Telnet Configuration tab in the Lantronix® DeviceInstaller™ utility. See the DeviceInstaller Online Help for more information.

To access the SGX 5150 IoT device gateway by using Telnet, perform the following steps.

1. Click **Start > Run**. The Run dialog box displays.
2. Type `cmd` in the dialog box and press **OK**.
3. Type `telnet x.x.x.x` (`x.x.x.x` is the IP address) in a Windows/Linux command prompt.
4. The SGX 5150 IoT device gateway is online when the command prompt (`>`) displays. You are at the root level of the CLI.

Note: Depending on the level of security, a password may be required.

Configuration Using the Serial Lines

Serial Command Mode

The serial port can be configured to operate in command mode permanently or to be triggered under specified conditions. See the line `<line>` Level command description for more information.

Serial Recovery

Serial Recovery mode will temporarily override line settings for the serial line to allow configuration changes to be made. Line settings will be restored once the user exits the Serial Recovery mode CLI.

To configure the SGX 5150 IoT device gateway locally using a serial port:

1. Connect a terminal or a PC running a terminal emulation program to one of the device's serial ports.
2. Configure the terminal to the following settings:
 - ◆ 9600 baud
 - ◆ 8-bit
 - ◆ No parity
 - ◆ 1 stop bit
 - ◆ No flow control.
3. Power off the device.
4. Press and hold down the exclamation point (!) key.
5. Power on the device. After about 10 seconds, the exclamation point will display on the terminal or PC screen.
6. Type `xyz` within 5 seconds to display the CLI prompt.

Navigating the CLI Hierarchy

The CLI is organized into a hierarchy of levels. Each level has a group of commands for a specific purpose. For example, to configure a setting for the FTP server, one would navigate to the FTP level, which is under the configuration level.

- ◆ To move to a different level—Enter the name of the level from within its parent level. For example, to enter the line level, type `line <number>` at the enable prompt. This displays: `<enable> line <number>#`.
- ◆ To exit and return to one level higher—Type `exit` and press the **Enter** key. Typing `exit` at the login level or the enable level will close the CLI session.
- ◆ To view the current configuration at any level—Type `show`.
- ◆ To view the list of commands available at the current level—Type the question mark "?". Items within `< >` (e.g. `<string>`) are required parameters.
- ◆ To view the available commands and explanations—Type the asterisk (*).
- ◆ To view the list of commands available for a partial command—Type the partial command followed by the question mark "?". For example: `<line 1>#show?` displays a list of all show commands at the line level.
- ◆ To view available commands and their explanations for a partial command—Type the partial command followed by the asterisk (*). For example: `<line 1>#show*` displays a list of all show commands and descriptions at the line level.
- ◆ To view the last 20 commands entered at the CLI—Type `show history`.

Using Keyboard Shortcuts and CLI

One useful shortcut built into the SGX 5150 IoT device gateway is that the complete text of a command does not have to be entered to issue a command. Typing just enough characters to uniquely identify a command, then hitting enter, can be used as a short cut for a command. For example, at the enable level, "sh" can be used for the "show" command.

Tab Completion is also available using the **Tab** and **Enter** keys on the keyboard. Typing the first few characters of a command, then hitting the **Tab** key displays the first command that begins with those characters. Hitting the **Tab** key again displays the next command that begins with the original characters typed. You can press **Enter** to execute the command or you can backspace to edit any parameters.

The following key combinations are allowed when configuring the intelligent gateway using the CLI:

Table 3-1 Keyboard Shortcuts

| Key Combination | Description |
|-----------------|--|
| Ctrl + a | Places cursor at the beginning of a line |
| Ctrl + b | Backspaces one character |
| Ctrl + d | Deletes one character |
| Ctrl + e | Places cursor at the end of the line |
| Ctrl + f | Moves cursor forward one character |
| Ctrl + k | Deletes from the current position to the end of the line |
| Ctrl + l | Redraws the command line |
| Ctrl + n | Displays the next line in the history |
| Ctrl + p | Displays the previous line in the history |
| Ctrl + u | Deletes entire line and places cursor at start of prompt |
| Ctrl + w | Deletes one word back |
| Ctrl + z | Exits the current CLI level |
| Esc + b | Moves cursor back one word |
| Esc + f | Moves cursor forward one word |

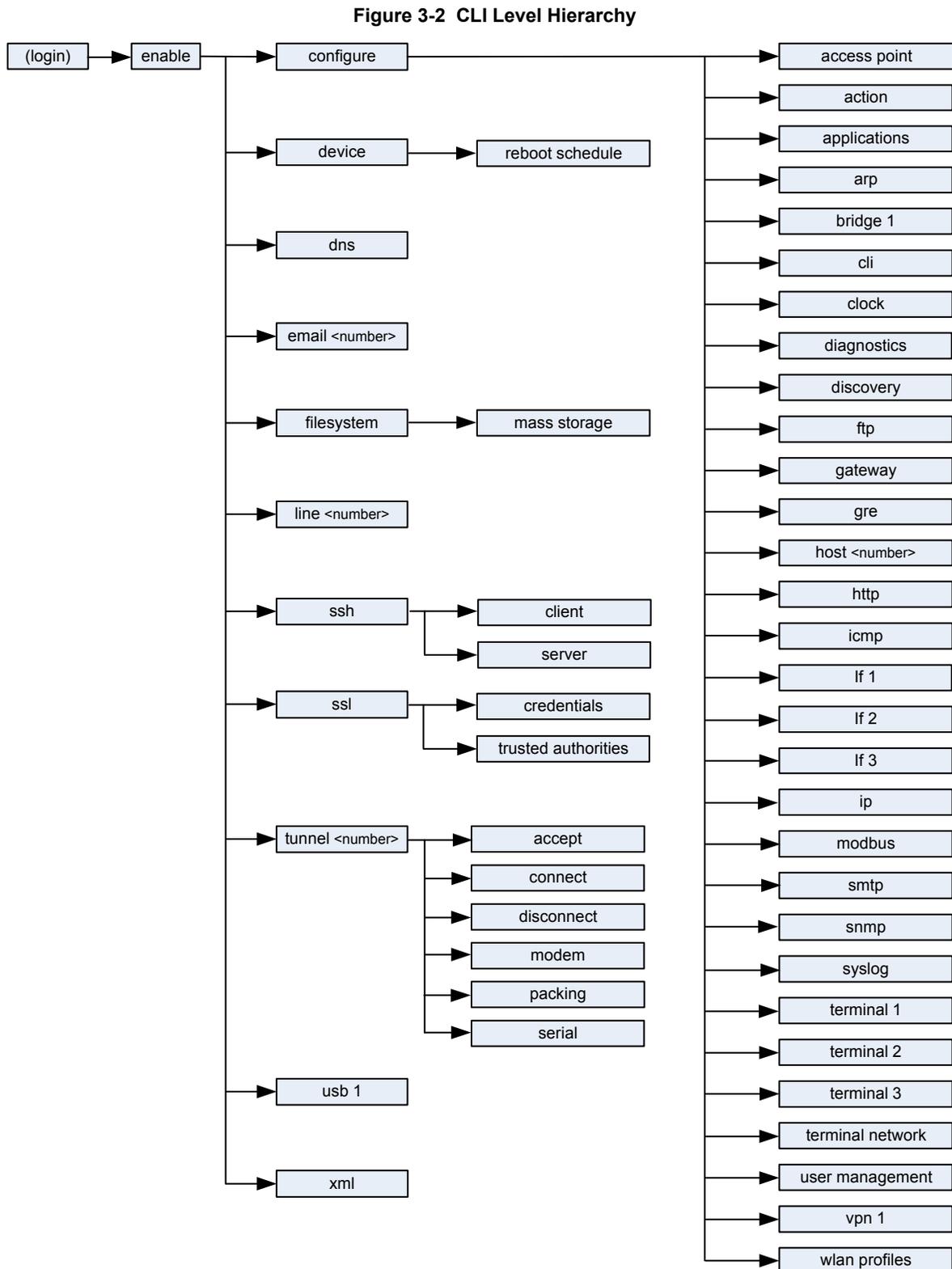
Understanding the CLI Level Hierarchy

The CLI hierarchy is a series of levels. Arranging commands in a hierarchy of levels provides a way to organize and group similar commands, provide different levels of security, and reduce the complexity and number commands and options presented to a user at one time.

When you start a command line session, you begin at the login level. This level can be password protected and provides access to high level status, a few diagnostic commands, and the enable level. Further device information and configuration are accessed via the enable level.

The enable level can also be password protected and is the gateway to full configuration and management of the intelligent gateway. There are commands for gathering and effecting all elements of device status and configuration, as well as commands that take you to additional levels. For instance, network specific status and configuration commands are found under the "configuration" level.

An overview of the levels in the SGX 5150 IoT device gateway is presented in [Figure 3-2 CLI Level Hierarchy](#).



Commands at the login level (see [Figure 3-3 Login Level Commands](#) below) do not affect current configuration settings and are not displayed initially. If you type `?`, you will see the login subcommands. These commands provide diagnostic and status information only.

Figure 3-3 Login Level Commands

```
sgx5150-0080a3a0bcda>?
clrscrn                               exit
iperf <params>                        ping <host>
ping <host> <count>                   ping <host> <count> <timeout>
ping6 <host>                           ping6 <host> <count>
ping6 <host> <count> <timeout>        show
show history                           show lines
show routes                             show rules
tcpdump <parameters>                 trace route <host>
trace route <host> <protocol>         enable

sgx5150-0080a3a0bcda>
```

Note: To configure the SGX 5150 IoT device gateway, you must be in the enable level and any of its sub-levels. [Figure 3-4 Enable Level Commands](#) below shows the enable level commands.

Figure 3-4 Enable Level Commands

```
sgx5150-0080a3a0bcda>enable
sgx5150-0080a3a0bcda(enable)#?
auto show interfaces                  auto show processes
clrscrn                               configure
connect                              connect line <line>
device                               disable
dns                                  email <number>
exit                                  filesystem
iperf <params>                       kill ssh <session>
kill telnet <session>                line <line>
ping <host>                           ping <host> <count>
ping <host> <count> <timeout>        ping6 <host>
ping6 <host> <count>                 ping6 <host> <count> <timeout>
reload                               reload factory defaults
show                                  show history
show interfaces                       show ip sockets
show lines                            show processes
show routes                           show rules
show sessions                         ssh
ssh <optClientUsername> <host>       ssh <optClientUsername> <host> <port>
ssl                                    tcpdump <parameters>
telnet <host>                          telnet <host> <port>
trace route <host>                    trace route <host> <protocol>
tunnel <line>                           usb <line>
write                                  xml

sgx5150-0080a3a0bcda(enable)#
```

See the [Chapter 5: Commands and Levels](#) at the end of this document for a complete list of levels, commands, and descriptions.

4: Configuration Using XML

The SGX 5150 IoT device gateway provides an XML interface that you can use to configure SGX 5150 IoT device gateways. Every configuration setting that can be issued from the gateway's Web Manager interface and CLI can be specified using XML.

The SGX 5150 IoT device gateway can import and export configuration settings as an XML document known as an XML Configuration Record (XCR). An XCR can be imported or exported via the CLI, a Web browser, or FTP. An XCR can contain many configuration settings or just a few. For example, it might change all of the configurable parameters for a SGX 5150 IoT device gateway, or it may only change the baud rate for a single serial line. Using XCRs is a straightforward and flexible way to manage the configuration of multiple SGX 5150 IoT device gateways.

XML Configuration Record Document Type Definition

An XML document type definition (DTD) is a description of the structure and content of an XML document. It verifies that a document is valid. XCRs are exported using the DTD as shown in [Figure 4-1 DTD for XCRs](#).

Figure 4-1 DTD for XCRs

```
<!DOCTYPE configrecord [  
<!ELEMENT configrecord (configgroup+)>  
<!ELEMENT configgroup (configitem+,configgroup*)>  
<!ELEMENT configitem (value+)>  
<!ELEMENT value (#PCDATA)>  
<!ATTLIST configrecord version CDATA #IMPLIED>  
<!ATTLIST configgroup name CDATA #IMPLIED>  
<!ATTLIST configgroup instance CDATA #IMPLIED>  
<!ATTLIST configitem name CDATA #IMPLIED>  
<!ATTLIST value name CDATA #IMPLIED>  

```

The SGX 5150 DTD rules state the following:

- ◆ The XML document element is a `<configrecord>` element. This is the root element.
- ◆ A `<configrecord>` must have one or more `<configgroup>` elements and can have a `version` attribute.
- ◆ A `<configgroup>` must have one or more `<configitem>` elements and can have `name` and `instance` attributes.
- ◆ A `<configitem>` element must have one or more `<value>` elements and can have a `name` attribute.
- ◆ A `<value>` element can have only data and can have a `name` attribute.
- ◆ The `name` attribute identifies a group, item, or value. It is always a quoted string.
- ◆ The `instance` attribute identifies the specific option, like the serial port number. The "instance" attribute is always a quoted string.

Notes:

- ◆ The name for each `<configgroup>` (specified with the `name` attribute) is the group name listed in the Web Manager XCR groups or with the "xcr list" CLI command. See the *SGX 5150 IoT Device Gateway User Guide* (available at www.Lantronix.com/support/documentation) for more information about the XCR groups.
- ◆ An empty or missing `<value>` element in each present `<configgroup>` clears the setting to its default.

Quick Tour of XML Syntax

Declaration

The first line, `<?xml version="1.0" standalone="yes"?>`, is called the XML declaration. It is required and indicates the XML version in use (normally version 1.0). The remainder of the file consists of nested XML elements, some of which have attributes and content.

Element Start and End Tags

An element typically consists of two tags: start tag and an end tag that surrounds text and other elements (element content). The start tag consists of a name surrounded by angle brackets, for example `<configrecord>`. The end tag consists of the same name surrounded by angle brackets, but with a forward slash preceding the name, for example `</configrecord>`. The element content can also contain other "child" elements.

Element Attributes

The XML element attributes that are name-value pairs included in the start tag after the element name. The values must always be quoted, using single or double quotes. Each attribute name should appear only once in an element.

[Figure 4-2 XML Example](#) shows an XML example which consists of a declaration (first line), nested elements with attributes and content.

Figure 4-2 XML Example

```
<configrecord version="0.1.0.0T0">
  <configgroup name = "diagnostics">
    <configitem name = "log">
      <value name="output">Disable</value>
    </configitem>
  </configgroup>
</configrecord>
```

The SGX 5150 IoT device gateway uses the attributes in the following subsections to label the group configuration settings.

Record, Group, Item, and Value Tags

A `<configgroup>` is a logical grouping of configuration parameters and must contain one or more `<configitem>` elements. It must have a name attribute and may have an instance attribute.

A `<configitem>` is a specific grouping of configuration parameters relevant to its parent group. An item takes the name attribute and must contain one or more value elements. For example, the line group might have parameters such as baud rate, data bits, and parity.

A value may specify the value of a configuration parameter. It may contain the name attribute. In this example, a value of 9600 might be specified for baud rate; 7 may be specified for data bits, and even may be specified for parity.

A name attribute identifies the group, item, or value. It is always quoted (as are all XML attributes). For example, a group that contains serial port parameters has the name "line".

An instance attribute identifies which of several instances is being addressed. It is always quoted. For example, the serial port name (in the line configgroup) has the instance "1" to indicate serial port 1 or "2" to specify serial port 2..

The following figures show examples of XML configuration records and the use of the `<configrecord>`, `<configgroup>`, `<configitem>`, and `<value>` XML elements.

Figure 4-3 XML Example

```
<configrecord version="0.1.0.0T0">
  <configgroup name = "diagnostics">
    <configitem name = "log">
      <value name="output">Disable</value>
    </configitem>
  </configgroup>
</configrecord>
```

Figure 4-4 XML Example of Multiple Named Values

```
<configrecord version="0.1.0.0T0">
  <configgroup name="xml import control">
    <configitem name="restore factory configuration">
      <value>disable</value>
    </configitem>
    <configitem name="delete http authentication uris">
      <value>disable</value>
    </configitem>
    <configitem name="http authentication uri delete">
      <value name="name"/>
    </configitem>
    <configitem name="reboot">
      <value>disable</value>
    </configitem>
  </configgroup>
```

Figure 4-5 XML Example of Multiple Items

```

<configrecord version="0.1.0.0T0">
  <configgroup name="device">
    <configitem name="short name">
      <value>sgx5150</value>
    </configitem>
    <configitem name="long name">
      <value>Lantronix SGX5150</value>
    </configitem>
    <configitem name="serial number">
      <value>0080A3946149</value>
    </configitem>
  </configitem><configitem name="firmware version">
    <value>8.0.0.0R31</value>
  </configitem><configitem name="lantronix iot gateway os version">
    <value>1.0</value>
  </configitem>
</configgroup>

```

Figure 4-6 XML Example with Multiple Groups

```

<configrecord version="0.1.0.0T0">
  <configgroup name="diagnostics">
    <configitem name="log">
      <value name="output">Disable</value>
    </configitem>
  </configgroup>
  <configgroup name="discovery">
    <configitem name="state">
      <value>enable</value>
    </configitem>
    <configitem name="upnp state">
      <value>enable</value>
    </configitem>
    <configitem name="upnp port">
      <value>30179</value>
    </configitem>
  </configgroup>
  <configgroup name="ethernet" instance="eth0">
    <configitem name="speed">
      <value>Auto</value>
    </configitem>
    <configitem name="duplex">
      <value>Auto</value>
    </configitem>
  </configgroup>
  <configgroup name="ftp server">
    <configitem name="state">
      <value>enable</value>
    </configitem>
  </configgroup>

```

Importing and Exporting an XML Configuration File

An XCR can be imported or exported using the following methods:

- ◆ **CLI**
XCRs can be imported (captured) or exported (dumped) directly to a Telnet, SSH, or serial line CLI session. Capturing an XCR can be started by pasting a valid XCR directly into the CLI prompt. The SGX 5150 IoT device gateway immediately processes the configuration record, changing any settings specified. This can be done on any level, including the root. Special tags in the XML allow for providing root and enable level passwords so that this can also be done at the password prompt.
- ◆ **Web Browser**
Web Manager can be used to import and export an XCR from an external source such as your local hard drive.
- ◆ **FTP**
The SGX 5150 IoT device gateway FTP server can export and import XCRs when an FTP get or put command on the filename (`sgx5150.xcr` for export, `sgx5150_import.xcr` for import; both are under the **pwxc** directory) is requested. On export (FTP get of `sgx5150.xcr`), the FTP server obtains the current XCR from the SGX 5150 IoT device gateway and sends it as a file. On import (FTP put of `sgx5150_import.xcr`), the FTP server processes the file by sending it directly to the XML engine. In both cases the SGX 5150 file system is not accessed. The files `sgx5150.xcr` and `sgx5150_import.xcr` are not read from or written to the file system. See the FTP section in the *SGX 5150 IoT Device Gateway User Guide* (available at www.Lantronix.com/support/documentation.)

Best Practices

You can import or export an entire XCR, or just a portion of it, by specifying the group name and/or group instances. In the examples below, import and export operations are performed from the Web. See [Importing and Exporting an XML Configuration File](#) above to import and export using Web Manager, the CLI or FTP.

Caution: *Using Microsoft Word to edit and save an XCR will change the format of the file and make it incompatible with the SGX 5150 IoT device gateway. This is true even if the file is saved as Plain Text (.txt) or an XML Document (.xml). Notepad, a third party text editor, or a specialized XML editor should be used instead.*

Exporting

Using the Web Manager interface, select from "Lines to Export" and "Groups to Export" filters and select from either "Export to Browser" or "Download (from link)" option. Save the output to your local file system.

Importing

Modify the exported file by removing "configgroup" records and filling in any required secret data such as passwords, and private keys. Using the Web Manager, import the updated clone by uploading it from your local file system.

XML Configuration Groups

Table 4-7 lists the supported SGX 5150 XML configuration record (XCR) groups, items, and possible value names and options in alphabetical order.

Note: Any instance of `<value>` in the table may be read as "less than" and any instance of `</value>` may be read as "greater than".

Table 4-7 XCR Groups

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|--|--------------|--------------------------|-----------------|-----------------|--|
| access point | state | | enable, disable | | |
| | ip address | | | | |
| | network name | | | | |
| | suite | | | | |
| | passphrase | | | | |
| action | delay | | | | |
| attribute of an "instance" is "eth0 link state change", "on scheduled reboot", "usb0 link state change", "wlan0 link state change" | email | alarm email | | | |
| | | alarm message | | | |
| | | alarm reminder interval | | | |
| | | normal email | | | |
| | | normal message | | | |
| | | normal reminder interval | | | |
| | ftp put | reminder interval | | | |
| | | mode | | | |
| | | connection 1 host | | | |
| | | connection 1 port | | | |
| | | connection 1 filename | | | |
| | | connection 1 protocol | | | |
| | | connection 1 username | | | |
| | | connection 1 password | | | |
| connection 2 host | | | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|--|---|--------------------------|--------------------------|-----------------|--|
| action attribute of an "instance" is "eth0 link state change", "on scheduled reboot", "usb0 link state change", "wlan0 link state change" (continued) | ftp put (continued) | connection 2 port | | | |
| | | connection 2 filename | | | |
| | | connection 2 protocol | | | |
| | | connection 2 username | | | |
| | | connection 2 password | | | |
| | http post | | reminder interval | | |
| | | | connection 1 host | | |
| | | | connection 1 port | | |
| | | | connection 1 url | | |
| | | | connection 1 protocol | | |
| | | | connection 1 username | | |
| | | | connection 1 password | | |
| | | | connection 2 host | | |
| | | | connection 2 port | | |
| | | | connection 2 url | | |
| | | | connection 2 protocol | | |
| | | | connection 2 username | | |
| | | | connection 2 password | | |
| | snmp trap | | state | | |
| | | | reminder interval | | |
| alarm message | | | | | |
| normal message | | | | | |
| applications | python (Attribute of an instance is a number.) | state | | | |
| | | filename | | | |
| | | parameters | | | |
| | | output | | | |
| | | onstart | | | |
| | | onshutdown | | | |
| arp | arp delete | ip address | | | |
| | arp entry | ip address | | | |
| | | mac address | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|---|----------------------------------|----------------------------|------------------|-----------------|--|
| bridge ("Instance" attribute is "br0") | state | | enable, disable | | |
| | transparent mode | | | | |
| | bridging mac address | | | | |
| | bridging ip address | | <control> | | |
| | auto detect ip address | | | | |
| | bridging ipv6 address | | <control> | | |
| | ethernet interface | | | | |
| cli | enable level password | | | | |
| | quit connect line | | <control> | | |
| | inactivity timeout | | | | |
| | line authentication | | enable, disable | | |
| clock time and zone | time zone | zone | | | |
| | | offset | | | |
| | time set | hours | | | |
| | | minutes | | | |
| | | seconds | | | |
| | | day of month | | | |
| | | month | | | |
| | | year | | | |
| clock | synchronization method | | manual, SNTP | | |
| | ntp | server (0.pool.ntp.org) | | | |
| device | short name | | | | |
| | long name | | | | |
| | serial number | | | | |
| | firmware version | | | | |
| | lantronix iot gateway os version | | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|--|--|---------------------|-----------------|-----------------|
| dhcp server | state | | | |
| | ipv6 state | | | |
| | start ip address | | | |
| | start ipv6 address | | | |
| | end ip address | | | |
| | end ipv6 address | | | |
| | lease time | | | |
| | static leases (Attribute of an instance is a number.) | mac address | | |
| ip address | | | | |
| ipv6 address | | | | |
| diagnostics | log | output | | |
| | | max length | | |
| discovery | state | | enable, disable | |
| | upnp state | | enable, disable | |
| | upnp port | | | |
| email (Attribute of an instance is a number.) | to | | | |
| | cc | | | |
| | reply to | | | |
| | subject | | | |
| | message file | | | |
| | priority | | | |
| ethernet (“Instance” attribute is “eth0”) | speed | | | |
| | duplex | | | |
| filesystem | mass storage | usb auto mount | | |
| ftp server | state | | enable, disable | |
| gateway | wan | operating mode | | |
| | | firewall | | |
| | | mac address filter | | |
| | | wan interface | | |
| | | router ip address | | |
| | | router ipv6 address | | |
| | | primary dns | | |
| | | secondary dns | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|---|--|--------------------|------------------------|-----------------|
| gateway (continued) | port forwarding (Attribute of an instance is a number.) | state | | |
| | | friendly name | | |
| | | port or range | | |
| | | target port | | |
| | | protocol | | |
| | | ingress ip address | | |
| | | ip address | | |
| gre | name | | | |
| | state | | enable, disable | |
| | ip address | | | |
| | mtu | | | |
| | local network | | | |
| | remote host | | | |
| | remote network | | | |
| host (Attribute of an instance is a number.) | name | | | |
| | protocol | | | |
| | ssh username | | | |
| | remote address | | | |
| | remote port | | | |
| http authentication uri | user delete | name | | |
| | realm | | | |
| | type | digest | | |
| | user (Attribute of an instance is "admin".) | password | | |
| http server | state | | enable, disable | |
| | port | | | |
| | https state | | enable, disable | |
| | secure port | | | |
| | secure protocols | | TLS1.0, TLS1.1, TLS1.2 | |
| | secure credentials | | | |
| | max timeout | | | |
| | max bytes | | | |
| | logging state | | enable, disable | |
| | max log entries | | | |
| | log format | | | |
| | authentication timeout | | | |
| icmp | state | | enable, disable | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|--|------------------------|----------------|-----------------|-----------------|
| input filters (Attribute of an instance is a number.) | mac address | | | |
| | action | | | |
| interface (“Instance” attributes are “eth0”, “usb0”, and “wlan0”) | state | | enable, disable | |
| | ipv4 state | | enable, disable | |
| | dhcp | | disable, enable | |
| | priority | | | |
| | ip address | | <None> | |
| | default gateway | | <None> | |
| | ipv6 state | | enable, disable | |
| | ipv6 dhcp | | enable, disable | |
| | ipv6 auto configure | | enable, disable | |
| | ipv6 address | | <None> | |
| | ipv6 default gateway | | <None> | |
| | ipv6 domain | | | |
| | ipv6 primary dns | | <None> | |
| | ipv6 secondary dns | | <None> | |
| | hostname | | | |
| | domain | | | |
| | dhcp client id | | | |
| | primary dns | | <None> | |
| secondary dns | | <None> | | |
| mtu | | | | |
| ip | ip time to live | | | |
| | multicast time to live | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|---|--|-------------|-----------------|-----------------|--|
| line (Attribute of an instance is a number.) | name | | | | |
| | state | | enable, disable | | |
| | protocol | | | | |
| | baud rate | | | | |
| | parity | | | | |
| | data bits | | | | |
| | stop bits | | | | |
| | flow control | | | | |
| | xon char | | <None> | | |
| | xoff char | | <None> | | |
| | gap timer | | <None> | | |
| | threshold | | | | |
| modbus | tcp server state | | enable, disable | | |
| | additional port | | <None> | | |
| | response timeout | | | | |
| network failover (Attribute of an instance is "eth0", "usb0", and "wlan0".) | state | | enable, disable | | |
| | hostname | | | | |
| | method | | | | |
| | timeout | | | | |
| | interval | | | | |
| | failover threshold | | | | |
| | failback threshold | | | | |
| failover intergface | | | | | |
| qos (Attribute of an instance is "eth0", "usb0", and "wlan0".) | state | | enable, disable | | |
| | import filters | | enable, disable | | |
| | uplink data speed | | | | |
| | filter (Attribute of an instance is a number.) | mac address | | | |
| | | network | | | |
| | | ports | | | |
| priority | | | | | |
| reboot schedule | state | | enable, disable | | |
| | schedule | | | | |
| | hours | | | | |
| | minutes | | | | |
| | interval | | | | |
| | unit | | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|---|--------------------|-------------------------|-----------------|-----------------|
| routing protocols | rip | state | | |
| | | version | | |
| | | update interval | | |
| | | timeout interval | | |
| | | gc interval | | |
| | ospf | state | | |
| | | hello interval | | |
| | | dead interval | | |
| serial command mode (Attribute of an instance is a number.) | mode | | enable, disable | |
| | echo serial string | | enable, disable | |
| | serial string | | | |
| | signon message | | | |
| | wait time | | | |
| smtp | from address | | | |
| | server address | | | |
| | server port | | | |
| | username | | | |
| | password | | | |
| | overriding domain | | | |
| snmp | snmpd | state | | |
| | | version | | |
| | | read community | | |
| | | write community | | |
| | | username | | |
| | | security | | |
| | | authentication protocol | | |
| | | authentication password | | |
| | | privacy protocol | | |
| | | privacy password | | |
| | | system contact | | |
| | | system name | | |
| | system description | | | |
| system location | | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|---------------------|-------------------------|-------------------------|-----------------|-----------------|
| snmp (continued) | traps | community | | |
| | | primary destination | | |
| | | secondary destination | | |
| | | version | | |
| | | username | | |
| | | security | | |
| | | authentication protocol | | |
| | | authentication password | | |
| | | privacy protocol | | |
| | | privacy password | | |
| ssh client | delete known hosts | | enable, disable | |
| | known host delete | name | | |
| | known host | public rsa key | | |
| | | public dsa key | | |
| | delete client users | | enable, disable | |
| | client user delete | name | | |
| | client user | password | | |
| | | remote command | | |
| | | public rsa key | | |
| | | private rsa key | | |
| public dsa key | | | | |
| ssh server | host rsa keys | public key | | |
| | | private key | | |
| | host dsa keys | public key | | |
| | | private key | | |
| | delete authorized users | | enable, disable | |
| | authorized user delete | name | | |
| | authorized user | password | | |
| | | public rsa key | | |
| | | public dsa key | | |
| | ssh | state | | enable, disable |
| port | | | | |
| max sessions | | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|--|------------------------|------------------------------|-----------------|-----------------|
| ssl | credentials | rsa certificate | | |
| | | rsa certificate type | | |
| | | rsa pfx password | | |
| | | rsa private key | | |
| | | rsa private key type | | |
| | | rsa private key pfx password | | |
| | | dsa certificate | | |
| | | dsa certificate type | | |
| | | dsa pfx password | | |
| | | dsa private key | | |
| | | dsa private key type | | |
| | | dsa private key pfx password | | |
| | | credential type | | |
| | trusted authority | certificate | | |
| | | certificate type | | |
| | | pfx password | | |
| | intermediate authority | certificate | | |
| | | certificate type | | |
| | | pfx password | | |
| | delete all credentials | | enable, disable | |
| delete all cas | | enable, disable | | |
| syslog | state | | enable, disable | |
| | host | | | |
| | remote port | | | |
| | severity log level | | | |
| telnet | state | | enable, disable | |
| | port | | | |
| | max sessions | | | |
| | authentication | | enable, disable | |
| terminal ("Instance" attribute is a number or "network") | terminal type | | | |
| | login connect menu | | enable, disable | |
| | exit connect menu | | enable, disable | |
| | send break | | <None> | |
| | break duration | | | |
| | echo | | enable, disable | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|--|-----------------------|----------------|-----------------|-----------------|--|
| tunnel accept (Attribute of an instance is a number.) | accept mode | | | | |
| | local port | | | | |
| | protocol | | | | |
| | credentials | | | | |
| | tcp keep alive | | | | |
| | aes encrypt key | | | | |
| | aes decrypt key | | | | |
| | initial send | | | | |
| | start character | | <None> | | |
| | flush start character | | enable, disable | | |
| | flush serial | | enable, disable | | |
| | block serial | | enable, disable | | |
| | block network | | enable, disable | | |
| | password | password | | | |
| | | prompt | | | |
| | email connect | | <None> | | |
| email disconnect | | <None> | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|--|---|----------------------|-----------------------|-----------------|--|
| tunnel connect (Attribute of an instance is a number.) | connect mode | | enable, disable | | |
| | start character | | <control>B | | |
| | flush start character | | enable, disable | | |
| | local port | | <Random> ; | | |
| | host (Attribute of an instance is a number.) | address | | | |
| | | port | | <None>; | |
| | | protocol | | | |
| | | ssh username | | | |
| | | credentials | | | |
| | | validate certificate | | enable, disable | |
| | | tcp user timeout | | | |
| | | tcp keep alive | | | |
| | | aes encrypt key | | | |
| | | aes decrypt key | | | |
| | initial send | | | | |
| | host mode | | | | |
| | reconnect time | | | | |
| | flush serial | | enable, disable | | |
| block serial | | enable, disable | | | |
| block network | | enable, disable | | | |
| email connect | | <None>; | | | |
| email disconnect | | <None>; | | | |
| tunnel disconnect (Attribute of an instance is a number.) | stop character | | <None>; | | |
| | flush stop character | | enable, disable | | |
| | modem control | | enable, disable | | |
| | timeout | | | | |
| | flush serial | | enable, disable | | |
| tunnel modem (Attribute of an instance is a number.) | echo pluses | | enable, disable | | |
| | echo commands | | enable, disable | | |
| | verbose response | | enable disable | | |
| | response type | | | | |
| | error unknown commands | | enabled, disabled | | |
| | incoming connection | | | | |
| | connect string | | | | |
| | display remote ip | | enable, disable | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|---|--------------------|------------|-------------------|-----------------|
| tunnel packing (Attribute of an instance is a number.) | packing mode | | enable, disable | |
| | timeout | | | |
| | threshold | | | |
| | send character | | <Control> | |
| | trailing character | | <None> | |
| tunnel serial (Attribute of an instance is a number.) | dtr | | <None> | |
| usb line (Attribute of an instance is a number.) | name | | | |
| | interface | | | |
| | state | | enable, disable | |
| | protocol | | | |
| | gap timer | | <None> | |
| | threshold | | | |
| | line mode | | | |
| user management | admin password | | | |
| virtual ip (Attribute of an instance is a number.) | state | | enable, disable | |
| | name | | | |
| | ip address | | | |
| | lan ip address | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|--|----------------------------|---------------|-----------------|-----------------|--|
| vpn (Attribute of an instance is a number.) | connection name | | | | |
| | state | | enable, disable | | |
| | connection type | | | | |
| | authentication mode | | | | |
| | remote peer type | | | | |
| | mode configuration type | | enable, disable | | |
| | interface | | | | |
| | remote endpoint | | | | |
| | remote subnet | | | | |
| | remote id | | | | |
| | remote next hop | | | | |
| | local subnet | | | | |
| | local id | | | | |
| | local next hop | | | | |
| | perfect forward secrecy | | enable, disable | | |
| | psk | | | | |
| | local key length | | | | |
| | remote rsa key | | | | |
| | remote key | | | | |
| | username | | | | |
| | password | | | | |
| | aggressive mode | | enable, disable | | |
| | nat traversal | | enable, disable | | |
| | ike encryption | | | | |
| | ike authentication | | | | |
| | ike dh group | | | | |
| | ike life time | | | | |
| | esp encryption | | | | |
| | esp authentication | | | | |
| | esp dh group | | | | |
| | sa life time | | | | |
| | unreachable host detection | host | | | |
| | | ping interval | | | |
| max tries | | | | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info | |
|---|---|----------------------|-------------------------------|------------------------------|--|
| wlan profile | profile type | | | | |
| | interface | | | | |
| | priority | | | | |
| | bssid | | | | |
| | basic | network name | | | |
| | | state | | enable, disable | |
| | security | suite | | | |
| | | key type | | | |
| | | passphrase | | | |
| | | wep authentication | | | |
| | | wep key size | | | |
| | | wep tx key index | | | |
| | | wep key 1 | | | |
| | | wep key 2 | | | |
| | | wep key 3 | | | |
| | | wep key 4 | | | |
| | | wpax authentication | | | |
| | | wpax pmf | | disabled, optional, required | |
| | | wpax key | | | |
| | | wpax ieee 802.1x | | | |
| | | wpax eap-ttls option | | | |
| | | wpax peap option | | | |
| | | wpax fast option | | | |
| | wpax fast provisioning | | | | |
| wpax username | | | | | |
| wpax password | | | | | |
| wpax validate certificate | | | | | |
| wpax credentials | | | | | |
| wpax inner credentials | | | | | |
| wlan ("Instance" attribute is "wlan0") | choice (Attribute of an instance is a number.) | | | | |
| | antenna diversity | | enabled, antenna 1, antenna 2 | | |
| | debugging level | | | | |
| | wifi direct go mode | | enable, disable | | |

| Group Name | Group Item | Value Name | Value Options | Additional Info |
|--------------------|---------------------------------|------------|-----------------|-----------------|
| xml import control | restore factory configuration | | enable, disable | |
| | delete http authentication uris | | enable, disable | |
| | http authentication uri delete | name | | |
| | reboot | | enable, disable | |

XML Status Record Groups and Items

[Table 4-8](#) lists the supported SGX 5150 XML status record (XSR) groups and items. These groups and items show the status of the device in XML form and can only be exported. The XSR schema differs slightly from the XCR groups and items in that the XSR allows groups within groups.

Table 4-8 XSR Group and Items

| Group Name | Item Name | Value Name | Valid Values |
|--|--------------|-------------|------------------|
| access point | | | |
| action (Attribute of an instance includes, “eth0 link state change”, “on scheduled reboot”, “usb0 link state change”, and “wlan0 link state change”.) | state | | on, off |
| | duration | | |
| | transition | | |
| arp | arp entry | ip address | |
| | | mac address | |
| | | type | |
| | | interface | |
| bridge (“Instance” attribute is “br0”) | enable state | | enable, disable |
| | active state | | active, inactive |
| clock | time | | |
| | date | | |
| | timezone | zone | |
| | | offset | |

| Group Name | Item Name | Value Name | Valid Values |
|---|---|----------------------------------|-----------------|
| device | product info | product type | |
| | | serial number | |
| | | firmware version | |
| | | lantronix iot gateway os version | |
| | | uptime | |
| | | permanent config | |
| | | region | |
| email log (Attribute of an instance is a number.) | entry | time | |
| | | log | |
| email (Attribute of an instance is a number.) | success | sent | |
| | | sent with retries | |
| | failed | | |
| | queued | | |
| failover (Attribute of an instance includes "eth0", "usb0", and "wlan0") | state | | |
| | transitions | | |
| hardware | cpu | type | |
| | | speed | |
| | memory | flash size | |
| | | ram size | |
| http log | totals | entries | |
| | | bytes | |
| | entry (Attribute of an instance is a number.) | | |
| http | state | | enable, disable |
| | logging | entries | |
| | | bytes | |

| Group Name | Item Name | Value Name | Valid Values |
|-----------------|-----------|------------------|--------------|
| icmp | snmp | InMsgs | |
| | | InErrors | |
| | | InCsumErrors | |
| | | InDestUnreachs | |
| | | InTimeExcds | |
| | | InParmProbs | |
| | | InSrcQuenchs | |
| | | InRedirects | |
| | | InEchos | |
| | | InEchoReps | |
| | | InTimestamps | |
| | | InTimestampReps | |
| | | InAddrMasks | |
| | | InAddrMaskReps | |
| | | OutMsgs | |
| | | OutErrors | |
| | | OutDestUnreachs | |
| | | OutTimeExcds | |
| | | OutParmProbs | |
| | | OutSrcQuenchs | |
| | | OutRedirects | |
| | | OutEchos | |
| | | OutEchoReps | |
| | | OutTimestamps | |
| | | OutTimestampReps | |
| | | OutAddrMasks | |
| OutAddrMaskReps | | | |

| Group Name | Item Name | Value Name | Valid Values | |
|--|-------------------------|----------------|--------------|--|
| interface (Attribute of an instance is "eth0", "usb0", or "wlan0".) | generic | status | | |
| | ip address | | | |
| | network mask | | | |
| | default gateway | | | |
| | ipv6 link local address | | | |
| | ipv6 global address | | | |
| | ipv6 global address | | | |
| | ipv6 default gateway | | | |
| | ipv6 default gateway | | | |
| | receive | bytes | | |
| | | packets | | |
| | | errs | | |
| | | drop | | |
| | | fifo | | |
| | | frame | | |
| | | compressed | | |
| | | multicast | | |
| | transmit | bytes | | |
| | | packets | | |
| | | errs | | |
| drop | | | | |
| fifo | | | | |
| colls | | | | |
| carrier | | | | |
| compressed | | | | |
| ip sockets | ip socket | protocol | | |
| | | rx queue | | |
| | | tx queue | | |
| | | local address | | |
| | | local port | | |
| | | remote address | | |
| | | remote port | | |
| | | state | | |

| Group Name | Item Name | Value Name | Valid Values |
|------------|-----------|-----------------|--------------|
| ip | snmp | Forwarding | |
| | | DefaultTTL | |
| | | InReceives | |
| | | InHdrErrors | |
| | | InAddrErrors | |
| | | ForwDatagrams | |
| | | InUnknownProtos | |
| | | InDiscards | |
| | | InDelivers | |
| | | OutRequests | |
| | | OutDiscards | |
| | | OutNoRoutes | |
| | | ReasmTimeout | |
| | | ReasmReqds | |
| | | ReasmOKs | |
| | | ReasmFails | |
| | | FragOKs | |
| | | FragFails | |
| | | FragCreate | |
| | netstat | InNoRoutes | |
| | | InTruncatedPkts | |
| | | InMcastPkts | |
| | | OutMcastPkts | |
| | | InBcastPkts | |
| | | OutBcastPkts | |
| | | InOctets | |
| | | OutOctets | |
| | | InMcastOctets | |
| | | OutMcastOctets | |
| | | InBcastOctets | |
| | | OutBcastOctets | |
| | | InCsumErrors | |

| Group Name | Item Name | Value Name | Valid Values |
|---|--------------|--------------------------|--------------------|
| line (Attribute of an instance is a number.) | receiver | bytes | |
| | | breaks | |
| | | parity errors | |
| | | framing errors | |
| | | overrun errors | |
| | | no receive buffer errors | |
| | | queued bytes | |
| | | flow control | |
| | transmitter | bytes | |
| | | breaks | |
| | | queued bytes | |
| | | flow control | |
| | line levels | cts input | |
| rts output | | | |
| dsr input | | | |
| dtr output | | <control> | |
| line | state | | enable, disable |
| | protocol | | |
| | baud rate | | |
| | parity | | |
| | data bits | | |
| | stop bits | | |
| | flow control | | |
| | xon char | | <control>Q |
| | xoff char | | <control>Q |
| memory | main heap | total memory | |
| | | available memory | |
| modbus local slave | totals | pdus in | |
| | | pdus out | |
| | | exceptions | |

| Group Name | Item Name | Value Name | Valid Values | |
|---|--|-------------------|-------------------|--|
| modbus tcp server (Attribute of an instance includes, "additional" and "permanent".) | state | | | |
| | local port | | | |
| | totals | uptime | | |
| | | pdus in | | |
| | | pdus out | | |
| | | connections | | |
| | last connection | local ip address | | |
| | | local port | | |
| | | remote ip address | | |
| | | remote port | | |
| processes | process (Attribute of an instance is a number.) | stack used | | |
| | | stack size | | |
| | | cpu % | | |
| | | thread name | | |
| qos (Attribute of an instance includes: "eth0", "usb0", and "wlan0".) | | | | |
| query port | status | | enabled, disabled | |
| | last connection | ip address | | |
| | | port | | |
| | in | discoveries | | |
| | | unknown queries | | |
| | | erroneous packets | | |
| | out | discovery replies | | |
| | | errors | | |
| sessions | | | | |

| Group Name | Item Name | Value Name | Valid Values |
|--------------|-----------|--------------|--------------|
| tcp | snmp | RtoAlgorithm | |
| | | RtoMin | |
| | | RtoMax | |
| | | MaxConn | |
| | | ActiveOpens | |
| | | PassiveOpens | |
| | | AttemptFails | |
| | | EstabResets | |
| | | CurrEstab | |
| | | InSegs | |
| | | OutSegs | |
| | | RetransSegs | |
| | | InErrs | |
| | | OutRsts | |
| InCsumErrors | | | |

| Group Name | Item Name | Value Name | Valid Values |
|-----------------|-----------|---------------------------|--------------|
| tcp (continued) | netstat | SyncookiesSent | |
| | | SyncookiesRecv | |
| | | SyncookiesFailed | |
| | | EmbryonicRsts | |
| | | PruneCalled | |
| | | RcvPruned | |
| | | OfoPruned | |
| | | OutOfWindowIcmps | |
| | | LockDroppedIcmps | |
| | | ArpFilter | |
| | | TW | |
| | | TWRecycled | |
| | | TWKilled | |
| | | PAWSPassive | |
| | | PAWSActive | |
| | | PAWSEstab | |
| | | DelayedACKs | |
| | | DelayedACKLocked | |
| | | DelayedACKLost | |
| | | ListenOverflows | |
| | | ListenDrops | |
| | | TCPPrequeued | |
| | | TCPDirectCopyFromBacklog | |
| | | TCPDirectCopyFromPrequeue | |
| | | TCPPrequeueDropped | |
| | | TCPHPHits | |
| | | TCPHPHitsToUser | |

| Group Name | Item Name | Value Name | Valid Values |
|--------------------|---------------------|----------------------|--------------|
| tcp (continued) | netstat (continued) | TCPPureAcks | |
| | | TCPHPAcks | |
| | | TCPRenoRecovery | |
| | | TCPSackRecovery | |
| | | TCPsACKReneging | |
| | | TCPFACKReorder | |
| | | TCPsACKReorder | |
| | | TCPRenoReorder | |
| | | TCPTSReorder | |
| | | TCPFullUndo | |
| | | TCPPartialUndo | |
| | | TCPDSACKUndo | |
| | | TCPLossUndo | |
| | | TCPLostRetransmit | |
| | | TCPRenoFailures | |
| | | TCPSackFailures | |
| | | TCPLossFailures | |
| | | TCPFastRetrans | |
| | | TCPForwardRetrans | |
| | | TCPSlowStartRetrans | |
| | | TCPTimeouts | |
| | | TCPLossProbes | |
| | | TCPLossProbeRecovery | |
| | | TCPRenoRecoveryFail | |
| | | TCPSackRecoveryFail | |
| | | TCPSchedulerFailed | |
| | | TCPRcvCollapsed | |
| | | TCPDSACKOldSent | |
| | | TCPDSACKOfoSent | |
| | | TCPDSACKRecv | |
| | | TCPDSACKOfoRecv | |
| | | TCPAbortOnData | |
| | | TCPAbortOnClose | |
| | | TCPAbortOnMemory | |
| | | TCPAbortOnTimeout | |
| | | TCPAbortOnLinger | |
| TCPAbortFailed | | | |
| TCPMemoryPressures | | | |
| TCPSACKDiscard | | | |

| Group Name | Item Name | Value Name | Valid Values |
|--------------------------|---------------------|---------------------------|-------------------|
| tcp (continued) | netstat (continued) | TCPDSACKIgnoredOld | |
| | | TCPDSACKIgnoredNoUndo | |
| | | TCPSpuriousRTOs | |
| | | TCPMD5NotFound | |
| | | TCPMD5Unexpected | |
| | | TCPSackShifted | |
| | | TCPSackMerged | |
| | | TCPSackShiftFallback | |
| | | TCPBacklogDrop | |
| | | TCPMinTTLDrop | |
| | | TCPDeferAcceptDrop | |
| | | IPReversePathFilter | |
| | | TCPTimeWaitOverflow | |
| | | TCPReqQFullDoCookies | |
| | | TCPReqQFullDrop | |
| | | TCPRetransFail | |
| | | TCPRcvCoalesce | |
| | | TCPOFOQueue | |
| | | TCPOFODrop | |
| | | TCPOFOMerge | |
| | | TCPChallengeACK | |
| | | TCPSYNChallenge | |
| | | TCPFastOpenActive | |
| | | TCPFastOpenPassive | |
| | | TCPFastOpenPassiveFail | |
| | | TCPFastOpenListenOverflow | |
| TCPFastOpenCookieReqd | | | |
| TCPSpuriousRtxHostQueues | | | |
| tunnel modem | echo commands | | enable, disable |
| | verbose response | | enable, disable |
| | response type | | |
| | error unknown | | enable, disable |
| | incoming connection | | enabled, disabled |

| Group Name | Item Name | Value Name | Valid Values |
|---|--------------|----------------------------|-----------------|
| tunnel (Attribute of an instance is a number.) | aggregate | completed connects | |
| | | completed accepts | |
| | | disconnects | |
| | | dropped connects | |
| | | dropped accepts | |
| | | octets from device | |
| | | octets from network | |
| | | connect 0 connection time | |
| | | connect 1 connection time | |
| | | connect 2 connection time | |
| | | connect 3 connection time | |
| | | connect 4 connection time | |
| | | connect 5 connection time | |
| | | connect 6 connection time | |
| | | connect 7 connection time | |
| | | connect 8 connection time | |
| | | connect 9 connection time | |
| | | connect 10 connection time | |
| | | connect 11 connection time | |
| | | connect 12 connection time | |
| | | connect 13 connection time | |
| | | connect 14 connection time | |
| | | connect 15 connection time | |
| accept connection time | | | |
| connect dns address changes | | | |
| connect dns address invalids | | | |
| udp | snmp | InDatagrams | |
| | | NoPorts | |
| | | InErrors | |
| | | OutDatagrams | |
| | | RcvbufErrors | |
| | | SndbufErrors | |
| | | InCsumErrors | |
| usb line | state | | enable, disable |
| | protocol | | |
| wlan scan | network name | bssid | |
| | | channel | |
| | | rssi | |
| | | topology | |

| Group Name | Item Name | Value Name | Valid Values |
|-------------|------------------------|------------|--------------|
| wlan status | state | | |
| | bssid | | |
| | rssi | | |
| | frequency | | |
| | channel | | |
| | network name | | |
| | profile | | |
| | pairwise cipher | | |
| | group cipher | | |
| | key management | | |
| | radio firmware version | | |
| xsr | out | bytes | |
| | | lines | |
| | | elements | |
| | errors | | |

5: Commands and Levels

Click the level in the tree structure and it will take you to the command list for that level.

[root](#)

- [enable \(enable\)](#)
 - [configure \(config\)](#)
 - [access point \(config-access-point\)](#)
 - [action \(config-action-select\)](#)
 - [eth0 link state change \(config-action:eth0 link state change\)](#)
 - [email \(config-action-email:eth0 link state change\)](#)
 - [ftp put \(config-action-ftp_put:eth0 link state change\)](#)
 - [connection 1 \(config-action-ftp_put-connection:eth0 link state change:1\)](#)
 - [connection 2 \(config-action-ftp_put-connection:eth0 link state change:2\)](#)
 - [http post \(config-action-http_post:eth0 link state change\)](#)
 - [connection 1 \(config-action-http_post-connection:eth0 link state change:1\)](#)
 - [connection 2 \(config-action-http_post-connection:eth0 link state change:2\)](#)
 - [snmp trap \(config-action-snmp_trap:eth0 link state change\)](#)
 - [on scheduled reboot \(config-action:on scheduled reboot\)](#)
 - [email \(config-action-email:on scheduled reboot\)](#)
 - [ftp put \(config-action-ftp_put:on scheduled reboot\)](#)
 - [connection 1 \(config-action-ftp_put-connection:on scheduled reboot:1\)](#)
 - [connection 2 \(config-action-ftp_put-connection:on scheduled reboot:2\)](#)
 - [http post \(config-action-http_post:on scheduled reboot\)](#)
 - [connection 1 \(config-action-http_post-connection:on scheduled reboot:1\)](#)
 - [connection 2 \(config-action-http_post-connection:on scheduled reboot:2\)](#)
 - [snmp trap \(config-action-snmp_trap:on scheduled reboot\)](#)
 - [usb0 link state change \(config-action:usb0 link state change\)](#)
 - [email \(config-action-email:usb0 link state change\)](#)
 - [ftp put \(config-action-ftp_put:usb0 link state change\)](#)
 - [connection 1 \(config-action-ftp_put-connection:usb0 link state change:1\)](#)
 - [connection 2 \(config-action-ftp_put-connection:usb0 link state change:2\)](#)
 - [http post \(config-action-http_post:usb0 link state change\)](#)
 - [connection 1 \(config-action-http_post-connection:usb0 link state change:1\)](#)
 - [connection 2 \(config-action-http_post-connection:usb0 link state change:2\)](#)
 - [snmp trap \(config-action-snmp_trap:usb0 link state change\)](#)
 - [wlan0 link state change \(config-action:wlan0 link state change\)](#)

- [email \(config-action-email:wlan0 link state change\)](#)
- [ftp put \(config-action-ftp_put:wlan0 link state change\)](#)
 - [connection 1 \(config-action-ftp_put-connection:wlan0 link state change:1\)](#)
 - [connection 2 \(config-action-ftp_put-connection:wlan0 link state change:2\)](#)
- [http post \(config-action-http_post:wlan0 link state change\)](#)
 - [connection 1 \(config-action-http_post-connection:wlan0 link state change:1\)](#)
 - [connection 2 \(config-action-http_post-connection:wlan0 link state change:2\)](#)
- [snmp trap \(config-action-snmp_trap:wlan0 link state change\)](#)
- [applications \(config-applications\)](#)
 - [python 1 \(config-applications-python:1\)](#)
 - [python 2 \(config-applications-python:2\)](#)
 - [python 3 \(config-applications-python:3\)](#)
 - [python 4 \(config-applications-python:4\)](#)
- [arp \(config-arp\)](#)
- [bridge 1 \(config-bridge:br0\)](#)
- [cli \(config-cli\)](#)
 - [ssh \(config-cli-ssh\)](#)
 - [telnet \(config-cli-telnet\)](#)
- [clock \(config-clock\)](#)
 - [ntp \(config-clock-ntp\)](#)
- [diagnostics \(config-diagnostics\)](#)
 - [log \(config-diagnostics-log\)](#)
- [discovery \(config-discovery\)](#)
- [ftp \(config-ftp\)](#)
- [gateway \(config-gateway\)](#)
 - [dhcpserver \(config-dhcpd\)](#)
 - [static leases 1 \(config-dhcpd-static_leases:1\)](#)
 - [static leases 2 \(config-dhcpd-static_leases:2\)](#)
 - [static leases 3 \(config-dhcpd-static_leases:3\)](#)
 - [static leases 4 \(config-dhcpd-static_leases:4\)](#)
 - [static leases 5 \(config-dhcpd-static_leases:5\)](#)
 - [static leases 6 \(config-dhcpd-static_leases:6\)](#)
 - [static leases 7 \(config-dhcpd-static_leases:7\)](#)
 - [static leases 8 \(config-dhcpd-static_leases:8\)](#)
 - [mac address filter 1 \(config-mac_filter:1\)](#)
 - [mac address filter 2 \(config-mac_filter:2\)](#)
 - [mac address filter 3 \(config-mac_filter:3\)](#)
 - [mac address filter 4 \(config-mac_filter:4\)](#)
 - [mac address filter 5 \(config-mac_filter:5\)](#)
 - [mac address filter 6 \(config-mac_filter:6\)](#)
 - [mac address filter 7 \(config-mac_filter:7\)](#)
 - [mac address filter 8 \(config-mac_filter:8\)](#)
 - [port forwarding rule 1 \(config-portforwarding:1\)](#)
 - [port forwarding rule 2 \(config-portforwarding:2\)](#)
 - [port forwarding rule 3 \(config-portforwarding:3\)](#)
 - [port forwarding rule 4 \(config-portforwarding:4\)](#)
 - [port forwarding rule 5 \(config-portforwarding:5\)](#)

- [port forwarding rule 6 \(config-portforwarding:6\)](#)
- [port forwarding rule 7 \(config-portforwarding:7\)](#)
- [port forwarding rule 8 \(config-portforwarding:8\)](#)
- [static route 1 \(config-staticroute:1\)](#)
- [static route 2 \(config-staticroute:2\)](#)
- [static route 3 \(config-staticroute:3\)](#)
- [static route 4 \(config-staticroute:4\)](#)
- [static route 5 \(config-staticroute:5\)](#)
- [static route 6 \(config-staticroute:6\)](#)
- [static route 7 \(config-staticroute:7\)](#)
- [static route 8 \(config-staticroute:8\)](#)
- [virtual ip 1 \(config-virtual-interface:1\)](#)
- [virtual ip 2 \(config-virtual-interface:2\)](#)
- [virtual ip 3 \(config-virtual-interface:3\)](#)
- [gre 1 \(config-gre:1\)](#)
- [host 1 \(config-host:1\)](#)
- [host 2 \(config-host:2\)](#)
- [host 3 \(config-host:3\)](#)
- [host 4 \(config-host:4\)](#)
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- [host 31 \(config-host:31\)](#)
- [host 32 \(config-host:32\)](#)
- [http \(config-http\)](#)
- [icmp \(config-icmp\)](#)
- [if 1 \(config-if:eth0\)](#)
 - [failover \(config-ethernet-failover:eth0\)](#)
 - [link \(config-ethernet:eth0\)](#)
 - [qos \(config-ethernet-qos:eth0\)](#)

- [filter 1 \(config-ethernet-qos-filter:eth0:1\)](#)
- [filter 2 \(config-ethernet-qos-filter:eth0:2\)](#)
- [filter 3 \(config-ethernet-qos-filter:eth0:3\)](#)
- [filter 4 \(config-ethernet-qos-filter:eth0:4\)](#)
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- [filter 31 \(config-ethernet-qos-filter:eth0:31\)](#)
- [filter 32 \(config-ethernet-qos-filter:eth0:32\)](#)
- [if 2 \(config-if:wlan0\)](#)
 - [failover \(config-wlan-failover:wlan0\)](#)
 - [link \(config-wlan:wlan0\)](#)
 - [choice 1 \(config-wlan-choice:wlan0:1\)](#)
 - [choice 2 \(config-wlan-choice:wlan0:2\)](#)
 - [choice 3 \(config-wlan-choice:wlan0:3\)](#)
 - [choice 4 \(config-wlan-choice:wlan0:4\)](#)
 - [qos \(config-wlan-qos:wlan0\)](#)
 - [filter 1 \(config-wlan-qos-filter:wlan0:1\)](#)
 - [filter 2 \(config-wlan-qos-filter:wlan0:2\)](#)
 - [filter 3 \(config-wlan-qos-filter:wlan0:3\)](#)
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 - [filter 10 \(config-wlan-qos-filter:wlan0:10\)](#)
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- [filter 32 \(config-wlan-qos-filter:wlan0:32\)](#)
- [if 3 \(config-if:usb0\)](#)
 - [failover \(config-ethernet-failover:usb0\)](#)
 - [qos \(config-ethernet-qos:usb0\)](#)
 - [filter 1 \(config-ethernet-qos-filter:usb0:1\)](#)
 - [filter 2 \(config-ethernet-qos-filter:usb0:2\)](#)
 - [filter 3 \(config-ethernet-qos-filter:usb0:3\)](#)
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 - [filter 29 \(config-ethernet-qos-filter:usb0:29\)](#)
 - [filter 30 \(config-ethernet-qos-filter:usb0:30\)](#)
 - [filter 31 \(config-ethernet-qos-filter:usb0:31\)](#)

- [filter 32 \(config-ethernet-qos-filter:usb0:32\)](#)
- [ip \(config-ip\)](#)
- [modbus \(modbus\)](#)
- [smtp \(config-smtp\)](#)
- [snmp \(config-snmp\)](#)
 - [snmpd \(config-snmp-snmpd\)](#)
 - [traps \(config-snmp-traps\)](#)
- [syslog \(config-syslog\)](#)
- [terminal 1 \(config-terminal:1\)](#)
- [terminal 2 \(config-terminal:2\)](#)
- [terminal 3 \(config-terminal:3\)](#)
- [terminal network \(config-terminal:network\)](#)
- [user management \(config-user-management\)](#)
- [vpn 1 \(config-vpn:1\)](#)
 - [unreachable host detection \(config-vpn-unreachable_host_detection:1\)](#)
- [wlan profiles \(config-profiles\)](#)
 - [edit 1 \(config-profile-basic:lantronix_default_adhoc\)](#)
 - [advanced \(config-profile-advanced:lantronix_default_adhoc\)](#)
 - [security \(config-profile-security:lantronix_default_adhoc\)](#)
 - [wep \(config-profile-security-wep:lantronix_default_adhoc\)](#)
 - [key 1 \(config-profile-security-wep-key:lantronix_default_adhoc:1\)](#)
 - [key 2 \(config-profile-security-wep-key:lantronix_default_adhoc:2\)](#)
 - [key 3 \(config-profile-security-wep-key:lantronix_default_adhoc:3\)](#)
 - [key 4 \(config-profile-security-wep-key:lantronix_default_adhoc:4\)](#)
 - [wpax \(config-profile-security-wpax:lantronix_default_adhoc\)](#)
- [device \(device\)](#)
 - [reboot schedule \(device-reboot-schedule\)](#)
- [dns \(dns\)](#)
- [email 1 \(email:1\)](#)
- [email 2 \(email:2\)](#)
- [email 3 \(email:3\)](#)
- [email 4 \(email:4\)](#)
- [email 5 \(email:5\)](#)
- [email 6 \(email:6\)](#)
- [email 7 \(email:7\)](#)
- [email 8 \(email:8\)](#)
- [email 9 \(email:9\)](#)
- [email 10 \(email:10\)](#)
- [email 11 \(email:11\)](#)
- [email 12 \(email:12\)](#)

- [email 13 \(email:13\)](#)
- [email 14 \(email:14\)](#)
- [email 15 \(email:15\)](#)
- [email 16 \(email:16\)](#)
- [filesystem \(filesystem\)](#)
 - [mass storage \(filesystem-mass_storage\)](#)
- [line 1 \(line:1\)](#)
- [line 2 \(line:2\)](#)
- [ssh \(ssh\)](#)
 - [client \(ssh-client\)](#)
 - [server \(ssh-server\)](#)
- [ssl \(ssl\)](#)
 - [credentials \(ssl-credentials\)](#)
 - [trusted authorities \(ssl-auth\)](#)
- [tunnel 1 \(tunnel:1\)](#)
 - [accept \(tunnel-accept:1\)](#)
 - [password \(tunnel-accept-password:1\)](#)
 - [connect \(tunnel-connect:1\)](#)
 - [host 1 \(tunnel-connect-host:1:1\)](#)
 - [host 2 \(tunnel-connect-host:1:2\)](#)
 - [host 3 \(tunnel-connect-host:1:3\)](#)
 - [host 4 \(tunnel-connect-host:1:4\)](#)
 - [host 5 \(tunnel-connect-host:1:5\)](#)
 - [host 6 \(tunnel-connect-host:1:6\)](#)
 - [host 7 \(tunnel-connect-host:1:7\)](#)
 - [host 8 \(tunnel-connect-host:1:8\)](#)
 - [host 9 \(tunnel-connect-host:1:9\)](#)
 - [host 10 \(tunnel-connect-host:1:10\)](#)
 - [host 11 \(tunnel-connect-host:1:11\)](#)
 - [host 12 \(tunnel-connect-host:1:12\)](#)
 - [host 13 \(tunnel-connect-host:1:13\)](#)
 - [host 14 \(tunnel-connect-host:1:14\)](#)
 - [host 15 \(tunnel-connect-host:1:15\)](#)
 - [host 16 \(tunnel-connect-host:1:16\)](#)
 - [disconnect \(tunnel-disconnect:1\)](#)
 - [modem \(tunnel-modem:1\)](#)
 - [packing \(tunnel-packing:1\)](#)
 - [serial \(tunnel-serial:1\)](#)
- [tunnel 2 \(tunnel:2\)](#)
 - [accept \(tunnel-accept:2\)](#)
 - [password \(tunnel-accept-password:2\)](#)
 - [connect \(tunnel-connect:2\)](#)
 - [host 1 \(tunnel-connect-host:2:1\)](#)
 - [host 2 \(tunnel-connect-host:2:2\)](#)
 - [host 3 \(tunnel-connect-host:2:3\)](#)
 - [host 4 \(tunnel-connect-host:2:4\)](#)
 - [host 5 \(tunnel-connect-host:2:5\)](#)
 - [host 6 \(tunnel-connect-host:2:6\)](#)
 - [host 7 \(tunnel-connect-host:2:7\)](#)
 - [host 8 \(tunnel-connect-host:2:8\)](#)
 - [host 9 \(tunnel-connect-host:2:9\)](#)
 - [host 10 \(tunnel-connect-host:2:10\)](#)
 - [host 11 \(tunnel-connect-host:2:11\)](#)

- [host 12 \(tunnel-connect-host:2:12\)](#)
 - [host 13 \(tunnel-connect-host:2:13\)](#)
 - [host 14 \(tunnel-connect-host:2:14\)](#)
 - [host 15 \(tunnel-connect-host:2:15\)](#)
 - [host 16 \(tunnel-connect-host:2:16\)](#)
 - [disconnect \(tunnel-disconnect:2\)](#)
 - [modem \(tunnel-modem:2\)](#)
 - [packing \(tunnel-packing:2\)](#)
 - [serial \(tunnel-serial:2\)](#)
- [tunnel 3 \(tunnel:3\)](#)
 - [accept \(tunnel-accept:3\)](#)
 - [password \(tunnel-accept-password:3\)](#)
 - [connect \(tunnel-connect:3\)](#)
 - [host 1 \(tunnel-connect-host:3:1\)](#)
 - [host 2 \(tunnel-connect-host:3:2\)](#)
 - [host 3 \(tunnel-connect-host:3:3\)](#)
 - [host 4 \(tunnel-connect-host:3:4\)](#)
 - [host 5 \(tunnel-connect-host:3:5\)](#)
 - [host 6 \(tunnel-connect-host:3:6\)](#)
 - [host 7 \(tunnel-connect-host:3:7\)](#)
 - [host 8 \(tunnel-connect-host:3:8\)](#)
 - [host 9 \(tunnel-connect-host:3:9\)](#)
 - [host 10 \(tunnel-connect-host:3:10\)](#)
 - [host 11 \(tunnel-connect-host:3:11\)](#)
 - [host 12 \(tunnel-connect-host:3:12\)](#)
 - [host 13 \(tunnel-connect-host:3:13\)](#)
 - [host 14 \(tunnel-connect-host:3:14\)](#)
 - [host 15 \(tunnel-connect-host:3:15\)](#)
 - [host 16 \(tunnel-connect-host:3:16\)](#)
 - [disconnect \(tunnel-disconnect:3\)](#)
 - [modem \(tunnel-modem:3\)](#)
 - [packing \(tunnel-packing:3\)](#)
 - [serial \(tunnel-serial:3\)](#)
- [usb 1 \(usb-line:1\)](#)
- [xml \(xml\)](#)

Table 5-1 Commands and Levels

| accept (tunnel-accept:3) level commands | |
|---|--|
| accept mode always | Enables the tunneling server to always accept tunneling connections. |
| accept mode any character | Enables the tunneling server to accept tunneling connections only when a character is received through the corresponding line (serial port). |
| accept mode disable | Disables accept mode tunneling. |
| accept mode modem control asserted | Enables the tunneling server to accept tunneling connections when the modem control pin is asserted. |
| accept mode modem emulation | Enables modem emulation for accept mode tunneling. |
| accept mode start character | Enables accept mode tunneling when the configured start character is received on the line. |
| aes decrypt key <hexadecimal> | Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| block network disable | Forwards (tunnels) network data in accept mode tunneling. |
| block network enable | Discards all data coming in from the accept mode tunnel before forwarding it to the serial interface (generally used for debugging). |
| block serial disable | Forwards (tunnels) serial data in accept mode tunneling. |
| block serial enable | Discards all data coming in from the serial interface before forwarding it to the accept mode tunnel (generally used for debugging). |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL server. |
| default accept mode | Restores the default accept mode as 'always'. |
| default local port | Uses the default port number as the local port for accept mode tunneling. The default port is 10000 + n, where 'n' is the line number for this tunnel. |
| default protocol | Restores the default accept mode tunneling protocol as 'TCP'. |
| default start character | Defaults the accept mode start character. |

| | |
|-------------------------------|--|
| default tcp keep alive | Restores the default 45 second accept mode TCP keep alive timeout. |
| email connect <number> | Sets an email profile to use to send an email alert upon establishing an accept mode tunnel. <number> = the number of the email profile to use. |
| email disconnect <number> | Sets an email profile to use to send an email alert upon closing an accept mode tunnel. <number> = the number of the email profile to use. |
| exit | Returns to the tunnel level. |
| flush serial disable | Characters already in the serial data buffer are retained upon establishing an accept mode tunneling connection. |
| flush serial enable | Flushes the serial data buffer upon establishing an accept mode tunneling connection. |
| flush start character disable | Enables forwarding of the accept start character into the network. |
| flush start character enable | Disables forwarding of the accept start character into the network. |
| initial send binary <binary> | Sets the accept tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the accept tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| kill connection | Disconnects the active accept mode tunneling connection. |
| local port <number> | Sets the port to use for accept mode tunneling. <number> = number of the port to use. |
| no aes decrypt key | Removes the accept tunnel AES decrypt key. |
| no aes encrypt key | Removes the accept tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL server. |
| no email connect | Discontinues sending email alerts upon establishing an accept mode tunnel. |
| no email disconnect | Discontinues sending email alerts upon closing an accept mode tunnel. |
| no initial send | Removes the accept tunnel Initial Send string. |
| no tcp keep alive | Disables the accept mode TCP keep alive timeout. |
| password | Enters the next lower level. |
| protocol ssh | Uses SSH protocol for accept mode tunneling. |
| protocol ssl | Uses SSL protocol for accept mode tunneling. |
| protocol tcp | Uses TCP protocol for accept mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for accept mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for accept mode tunneling. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel accept status. |
| start character <control> | Sets the accept mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character |

| | |
|--|--|
| | has the form \99. A hex value character has the form 0xFF. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for accept mode tunneling and sets the timer. <milliseconds> = TCP keep alive for accept mode in milliseconds. |
| write | Stores the current configuration in permanent memory. |
| accept (tunnel-accept:2) level commands | |
| accept mode always | Enables the tunneling server to always accept tunneling connections. |
| accept mode any character | Enables the tunneling server to accept tunneling connections only when a character is received through the corresponding line (serial port). |
| accept mode disable | Disables accept mode tunneling. |
| accept mode modem control asserted | Enables the tunneling server to accept tunneling connections when the modem control pin is asserted. |
| accept mode modem emulation | Enables modem emulation for accept mode tunneling. |
| accept mode start character | Enables accept mode tunneling when the configured start character is received on the line. |
| aes decrypt key <hexadecimal> | Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| block network disable | Forwards (tunnels) network data in accept mode tunneling. |
| block network enable | Discards all data coming in from the accept mode tunnel before forwarding it to the serial interface (generally used for debugging). |
| block serial disable | Forwards (tunnels) serial data in accept mode tunneling. |
| block serial enable | Discards all data coming in from the serial interface before forwarding it to the accept mode tunnel (generally used for debugging). |
| clrscrm | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL server. |
| default accept mode | Restores the default accept mode as 'always'. |
| default local port | Uses the default port number as the local port for accept mode tunneling. The default port is 10000 + n, where 'n' is the line number for this tunnel. |

| | |
|-------------------------------|--|
| default protocol | Restores the default accept mode tunneling protocol as 'TCP'. |
| default start character | Defaults the accept mode start character. |
| default tcp keep alive | Restores the default 45 second accept mode TCP keep alive timeout. |
| email connect <number> | Sets an email profile to use to send an email alert upon establishing an accept mode tunnel. <number> = the number of the email profile to use. |
| email disconnect <number> | Sets an email profile to use to send an email alert upon closing an accept mode tunnel. <number> = the number of the email profile to use. |
| exit | Returns to the tunnel level. |
| flush serial disable | Characters already in the serial data buffer are retained upon establishing an accept mode tunneling connection. |
| flush serial enable | Flushes the serial data buffer upon establishing an accept mode tunneling connection. |
| flush start character disable | Enables forwarding of the accept start character into the network. |
| flush start character enable | Disables forwarding of the accept start character into the network. |
| initial send binary <binary> | Sets the accept tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the accept tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| kill connection | Disconnects the active accept mode tunneling connection. |
| local port <number> | Sets the port to use for accept mode tunneling. <number> = number of the port to use. |
| no aes decrypt key | Removes the accept tunnel AES decrypt key. |
| no aes encrypt key | Removes the accept tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL server. |
| no email connect | Discontinues sending email alerts upon establishing an accept mode tunnel. |
| no email disconnect | Discontinues sending email alerts upon closing an accept mode tunnel. |
| no initial send | Removes the accept tunnel Initial Send string. |
| no tcp keep alive | Disables the accept mode TCP keep alive timeout. |
| password | Enters the next lower level. |
| protocol ssh | Uses SSH protocol for accept mode tunneling. |
| protocol ssl | Uses SSL protocol for accept mode tunneling. |
| protocol tcp | Uses TCP protocol for accept mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for accept mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for accept mode tunneling. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |

| | |
|--|--|
| show status | Displays tunnel accept status. |
| start character <control> | Sets the accept mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for accept mode tunneling and sets the timer. <milliseconds> = TCP keep alive for accept mode in milliseconds. |
| write | Stores the current configuration in permanent memory. |
| accept (tunnel-accept:1) level commands | |
| accept mode always | Enables the tunneling server to always accept tunneling connections. |
| accept mode any character | Enables the tunneling server to accept tunneling connections only when a character is received through the corresponding line (serial port). |
| accept mode disable | Disables accept mode tunneling. |
| accept mode modem control asserted | Enables the tunneling server to accept tunneling connections when the modem control pin is asserted. |
| accept mode modem emulation | Enables modem emulation for accept mode tunneling. |
| accept mode start character | Enables accept mode tunneling when the configured start character is received on the line. |
| aes decrypt key <hexadecimal> | Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| block network disable | Forwards (tunnels) network data in accept mode tunneling. |
| block network enable | Discards all data coming in from the accept mode tunnel before forwarding it to the serial interface (generally used for debugging). |
| block serial disable | Forwards (tunnels) serial data in accept mode tunneling. |
| block serial enable | Discards all data coming in from the serial interface before forwarding it to the accept mode tunnel (generally used for debugging). |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL server. |

| | |
|-------------------------------|--|
| default accept mode | Restores the default accept mode as 'always'. |
| default local port | Uses the default port number as the local port for accept mode tunneling. The default port is 10000 + n, where 'n' is the line number for this tunnel. |
| default protocol | Restores the default accept mode tunneling protocol as 'TCP'. |
| default start character | Defaults the accept mode start character. |
| default tcp keep alive | Restores the default 45 second accept mode TCP keep alive timeout. |
| email connect <number> | Sets an email profile to use to send an email alert upon establishing an accept mode tunnel. <number> = the number of the email profile to use. |
| email disconnect <number> | Sets an email profile to use to send an email alert upon closing an accept mode tunnel. <number> = the number of the email profile to use. |
| exit | Returns to the tunnel level. |
| flush serial disable | Characters already in the serial data buffer are retained upon establishing an accept mode tunneling connection. |
| flush serial enable | Flushes the serial data buffer upon establishing an accept mode tunneling connection. |
| flush start character disable | Enables forwarding of the accept start character into the network. |
| flush start character enable | Disables forwarding of the accept start character into the network. |
| initial send binary <binary> | Sets the accept tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the accept tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| kill connection | Disconnects the active accept mode tunneling connection. |
| local port <number> | Sets the port to use for accept mode tunneling. <number> = number of the port to use. |
| no aes decrypt key | Removes the accept tunnel AES decrypt key. |
| no aes encrypt key | Removes the accept tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL server. |
| no email connect | Discontinues sending email alerts upon establishing an accept mode tunnel. |
| no email disconnect | Discontinues sending email alerts upon closing an accept mode tunnel. |
| no initial send | Removes the accept tunnel Initial Send string. |
| no tcp keep alive | Disables the accept mode TCP keep alive timeout. |
| password | Enters the next lower level. |
| protocol ssh | Uses SSH protocol for accept mode tunneling. |
| protocol ssl | Uses SSL protocol for accept mode tunneling. |
| protocol tcp | Uses TCP protocol for accept mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for accept mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for accept mode tunneling. |

| | |
|--|---|
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel accept status. |
| start character <control/> | Sets the accept mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for accept mode tunneling and sets the timer. <milliseconds> = TCP keep alive for accept mode in milliseconds. |
| write | Stores the current configuration in permanent memory. |
| access point (config-access-point) level commands | |
| clrscrn | Clears the screen. |
| default ip address | Restores IP address of Access Point to the default value. |
| default suite | Restores the security method (suite) to the default value (None). |
| exit | Returns to the config level. |
| ip address <ip address/cidr> | Sets the IP address of Access Point. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask) |
| network name <text> | Set Network Name (SSID). <text> = Network Name(SSID). |
| no network name | Clears Network Name (SSID). |
| no passphrase | Clears the password. |
| passphrase <text> | Sets the value for the password. <text> = put quotes around the characters (max 63). |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays statistics. |
| state disable | Disables Access Point. |
| state enable | Enables Access Point. |
| suite none | Sets the security suite to None. |
| suite wpa | Sets the security suite to WPA. |
| suite wpa2 | Sets the security suite to WPA2. |
| write | Stores the current configuration in permanent memory. |
| action (config-action-select) level commands | |
| clrscrn | Clears the screen. |
| eth0 link state change | Enters the eth0 link state change alarm level. |
| exit | Exits to the config level. |
| on scheduled reboot | Enters the on scheduled reboot alarm level. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| usb0 link state change | Enters the usb0 link state change alarm level. |
| wlan0 link state change | Enters the wlan0 link state change alarm level. |
| write | Stores the current configuration in permanent memory. |

| advanced (config-profile-advanced:lantronix_default_adhoc) level commands | |
|--|--|
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| basic | Switch to basic level |
| clrscrn | Clears the screen. |
| exit | Exit to the profiles level |
| security | Switch to security level |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| applications (config-applications) level commands | |
| clrscrn | Clears the screen. |
| exit | Returns to the config level. |
| python <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| python install <zip tar.gz file> | Install a python package <zip tar.gz file> = path of package to install. |
| python kill <pid> | Kill a python script <pid> = PID of running script or 'all' for all scripts. |
| python remove all | Uninstall python package and all installed packages. |
| python run <instance> | Runs a python script <instance> = index of the script to be executed. |
| python show installed | Show installed python packages. |
| python show status | Show running python scripts. |
| python uninstall <zip tar.gz file File> | Uninstall a python package <zip tar.gz file> = path of package to uninstall. <File> = file to uninstall (from list of installed packages). |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| arp (config-arp) level commands | |
| add <IP address> <MAC address> <Interface name> | Adds an entry to the ARP table, mapping an IP address to a MAC address. <ip address> = IP address to be mapped. <mac address> = MAC address in colon-separated form. <interface name> = Interface name |
| clrscrn | Clears the screen. |
| exit | Exits to the configuration level. |
| remove all | Removes all entries from the ARP cache. |
| remove ip <IP address> <Interface name> | Removes an entry from the ARP cache. <ip address> = address of the entry being removed. <interface name> = Interface name |
| show cache | Displays the ARP cache table. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| bridge 1 (config-bridge:br0) level commands | |

| | |
|---|---|
| auto detect ip address disable | Disables learning the IPv4 address of the bridged client. |
| auto detect ip address enable | Enables learning the IPv4 address of the bridged client. |
| bridging ip address <IP address> | Sets the Bridging IP Address. |
| bridging ipv6 address <ipv6 address> | Sets the Bridging IPv6 Address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| clrscrn | Clears the screen. |
| default ethernet interface | Restores the default Bridging ethernet interface. |
| ethernet interface <text> | Sets the Bridging ethernet interface. |
| exit | Exits to the config level. |
| no bridging ip address | Removes the Bridging MAC Address. |
| no bridging ipv6 address | Removes the Bridging IPv6 Address. |
| no bridging mac address | Removes the Bridging MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Show bridge statistics |
| show status | Show bridge status |
| state disable | Disables bridging. |
| state enable | Enables bridging. |
| transparent mode disable | Disables transparent mode. |
| transparent mode enable | Enables transparent mode. |
| write | Stores the current configuration in permanent memory. |
| choice 1 (config-wlan-choice:wlan0:1) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no profile | Removes reference to the profile. |
| profile <text> | Selects a profile. <text> = name of the profile. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| choice 2 (config-wlan-choice:wlan0:2) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no profile | Removes reference to the profile. |
| profile <text> | Selects a profile. <text> = name of the profile. |

| | |
|---|---|
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| choice 3 (config-wlan-choice:wlan0:3) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no profile | Removes reference to the profile. |
| profile <text> | Selects a profile. <text> = name of the profile. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| choice 4 (config-wlan-choice:wlan0:4) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no profile | Removes reference to the profile. |
| profile <text> | Selects a profile. <text> = name of the profile. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| cli (config-cli) level commands | |
| clrscrn | Clears the screen. |
| default inactivity timeout | The default inactivity timeout will apply to CLI sessions. |
| default quit connect line | Restores the default string to quit the 'connect line', 'telnet', and 'ssh' commands. |
| enable level password <text> | Sets the enable-level password. |
| exit | Exits to the configuration level. |
| inactivity timeout <minutes> | Sets the inactivity timeout for all CLI sessions. |
| line authentication disable | No password required for Line CLI users. |
| line authentication enable | Challenges the Line CLI user with a password. |
| no enable level password | Removes the enable-level password. |
| no inactivity timeout | No inactivity timeout will apply to CLI sessions. |
| quit connect line <control> | Sets the string used to quit the 'connect line', 'telnet', and 'ssh' commands. The characters may be input as text or control. A control character has the form <control>C. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh | Change to menu level for SSH configuration and status. |
| telnet | Change to menu level for Telnet configuration and status. |

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| write | Stores the current configuration in permanent memory. |
| client (ssh-client) level commands | |
| clrscrn | Clears the screen. |
| default user <username> command | Restore the user command to the default login shell |
| delete all known hosts | Remove all known hosts |
| delete all users | Remove all users |
| delete known host <server> | Remove known host |
| delete user <username> | Delete the named user |
| exit | Exits to the ssh level. |
| known host <server> | Set known host RSA or DSA key |
| no known host <server> dsa | Remove known host DSA key |
| no known host <server> rsa | Remove known host RSA key |
| no user <username> dsa | Remove user DSA key |
| no user <username> rsa | Remove user RSA key |
| show | Show SSH Client settings |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show known host <server> | Show known host RSA and DSA keys |
| show user <username> | Show information for a user |
| user <username> | Set username and RSA or DSA keys |
| user <username> command <command> | Customizes the user command |
| user <username> generate dsa 1024 | Generate DSA public and private keys |
| user <username> generate dsa 2048 | Generate DSA public and private keys |
| user <username> generate dsa 4096 | Generate DSA public and private keys |
| user <username> generate dsa 512 | Generate DSA public and private keys |
| user <username> generate dsa 768 | Generate DSA public and private keys |
| user <username> generate rsa 1024 | Generate RSA public and private keys |
| user <username> generate rsa 2048 | Generate RSA public and private keys |
| user <username> generate rsa 4096 | Generate RSA public and private keys |
| user <username> generate rsa 512 | Generate RSA public and private keys |
| user <username> generate rsa 768 | Generate RSA public and private keys |
| user <username> password <password> | Set username with password and optional RSA or DSA keys |
| write | Stores the current configuration in permanent memory. |
| clock (config-clock) level commands | |
| clock set <time(hh:mm:ss)> <day (1-31)> <month text> <year> | Sets the system clock. |
| clock timezone | Shows possible time zone names. |
| clock timezone <time zone> | Sets the timezone to be displayed. Use "clock timezone" to show choices. |
| clrscrn | Clears the screen. |
| default clock timezone | Restores the default timezone, which is UTC. |
| default synchronization method | Restores the default time synchronization method (Manual). |
| exit | Exits to the configuration level. |
| ntp | Enters the next lower level. |

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| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show system clock | Displays the system clock. |
| synchronization method manual | Set time manually. |
| synchronization method sntp | Synchronize time with a NTP server. |
| write | Stores the current configuration in permanent memory. |
| configure (config) level commands | |
| access point | Enters the access point level. |
| action | Enters the config action level. |
| applications | Enters the applications level. |
| arp | Changes to the command level for ARP configuration and status. |
| bridge <instance> | Changes to the bridge configuration level. |
| cli | Change to menu level for CLI configuration and status |
| clock | Change to menu level for Clock configuration and status |
| clrscrm | Clears the screen. |
| diagnostics | Enters the diagnostics level. |
| discovery | Enters the discovery level. |
| exit | Exits to the enable level. |
| ftp | Enters the ftp level. |
| gateway | Enters the gateway level. |
| gre <instance> | Change to gre level. |
| host <number> | Change to config host level |
| http | Enters the http level. |
| icmp | Changes to the command level for ICMP configuration and status. |
| if <instance> | Changes to the interface configuration level. |
| ip | Changes to the command level for IP configuration and status. |
| kill ssh <session> | Kills SSH session with index from "show sessions" |
| kill telnet <session> | Kills Telnet session with index from "show sessions" |
| modbus | Changes to the modbus configuration level. |
| show | Displays system information. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show lines | Displays line information. |
| smtp | Changes to the command level for SMTP configuration and status. |
| snmp | Enters the snmp level. |
| syslog | Enters the syslog level. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| user management | Change to menu level for user management |
| vpn <instance> | Change to vpn level. |
| wlan profiles | Enters the WLAN profiles configuration level. |

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| write | Stores the current configuration in permanent memory. |
| connect (tunnel-connect:3) level commands | |
| block network disable | Forwards (tunnels) network data in connect mode tunneling. |
| block network enable | Discards all data coming in from the connect mode tunnel before forwarding it to the serial interface (generally used for debugging). |
| block serial disable | Forwards (tunnels) serial data in connect mode tunneling. |
| block serial enable | Discards all data coming in from the serial interface before forwarding it to the connect mode tunnel (generally used for debugging). |
| clrscrn | Clears the screen. |
| connect mode always | Enables the tunneling server to always establish tunneling connections. |
| connect mode any character | Enables the tunneling server to establish a tunneling connection when a character is received on the corresponding line (serial port). |
| connect mode disable | Disables connect mode tunneling. |
| connect mode modem control asserted | Enables the tunneling server to make tunneling connections when the modem control pin is asserted. |
| connect mode modem emulation | Enables modem emulation for connect mode tunneling. |
| connect mode start character | Enables connect mode tunneling when the configured start character is received on the line. |
| default connect mode | Restores the default connect mode as 'disable'. |
| default host mode | Connects to the first host in the list that accepts the connection. |
| default local port | Uses a random port number as the local port for establishing tunneling connections to other devices. |
| default reconnect time | Restores the default reconnect time value for connect mode tunneling. |
| default start character | Defaults the connect mode start character. |
| email connect <number> | Sets an email profile to use to send an email alert upon establishing a connect mode tunnel. <number> = the number of the email profile to use. |
| email disconnect <number> | Sets an email profile to use to send an email alert upon closing a connect mode tunnel. <number> = the number of the email profile to use. |
| exit | Returns to the tunnel level. |
| flush serial disable | Characters already in the serial data buffer are retained upon establishing a connect mode tunneling connection. |
| flush serial enable | Flushes the serial data buffer upon establishing a connect mode tunneling connection. |
| flush start character disable | Enables forwarding of the connect start character into the network. |
| flush start character enable | Disables forwarding of the connect start character into the network. |
| host <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| host mode sequential | Connects to the first host in the list that accepts the connection. |
| host mode simultaneous | Selects simultaneous connections to all hosts on the host |

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| | list. |
| kill connection | Disconnects the active connect mode tunneling connection or connections. |
| local port <number> | Sets a specific port for use as the local port. <number> = the number of the port to use. |
| no email connect | Discontinues sending email alerts upon establishing a connect mode tunnel. |
| no email disconnect | Discontinues sending email alerts upon closing a connect mode tunnel. |
| promote host <number> | Promotes the identified host, exchanging it place with the host above it, to adjust the order of the defined hosts. |
| reconnect time <milliseconds> | Sets the reconnect time value for tunneling connections established by the device in milliseconds. <milliseconds> = timeout in milliseconds. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel connect status. |
| start character <control/> | Sets the connect mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| write | Stores the current configuration in permanent memory. |
| connect (tunnel-connect:2) level commands | |
| block network disable | Forwards (tunnels) network data in connect mode tunneling. |
| block network enable | Discards all data coming in from the connect mode tunnel before forwarding it to the serial interface (generally used for debugging). |
| block serial disable | Forwards (tunnels) serial data in connect mode tunneling. |
| block serial enable | Discards all data coming in from the serial interface before forwarding it to the connect mode tunnel (generally used for debugging). |
| clrscrn | Clears the screen. |
| connect mode always | Enables the tunneling server to always establish tunneling connections. |
| connect mode any character | Enables the tunneling server to establish a tunneling connection when a character is received on the corresponding line (serial port). |
| connect mode disable | Disables connect mode tunneling. |
| connect mode modem control asserted | Enables the tunneling server to make tunneling connections when the modem control pin is asserted. |
| connect mode modem emulation | Enables modem emulation for connect mode tunneling. |
| connect mode start character | Enables connect mode tunneling when the configured start character is received on the line. |
| default connect mode | Restores the default connect mode as 'disable'. |
| default host mode | Connects to the first host in the list that accepts the connection. |
| default local port | Uses a random port number as the local port for establishing tunneling connections to other devices. |

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| default reconnect time | Restores the default reconnect time value for connect mode tunneling. |
| default start character | Defaults the connect mode start character. |
| email connect <number> | Sets an email profile to use to send an email alert upon establishing a connect mode tunnel. <number> = the number of the email profile to use. |
| email disconnect <number> | Sets an email profile to use to send an email alert upon closing a connect mode tunnel. <number> = the number of the email profile to use. |
| exit | Returns to the tunnel level. |
| flush serial disable | Characters already in the serial data buffer are retained upon establishing a connect mode tunneling connection. |
| flush serial enable | Flushes the serial data buffer upon establishing a connect mode tunneling connection. |
| flush start character disable | Enables forwarding of the connect start character into the network. |
| flush start character enable | Disables forwarding of the connect start character into the network. |
| host <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| host mode sequential | Connects to the first host in the list that accepts the connection. |
| host mode simultaneous | Selects simultaneous connections to all hosts on the host list. |
| kill connection | Disconnects the active connect mode tunneling connection or connections. |
| local port <number> | Sets a specific port for use as the local port. <number> = the number of the port to use. |
| no email connect | Discontinues sending email alerts upon establishing a connect mode tunnel. |
| no email disconnect | Discontinues sending email alerts upon closing a connect mode tunnel. |
| promote host <number> | Promotes the identified host, exchanging it place with the host above it, to adjust the order of the defined hosts. |
| reconnect time <milliseconds> | Sets the reconnect time value for tunneling connections established by the device in milliseconds. <milliseconds> = timeout in milliseconds. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel connect status. |
| start character <control/> | Sets the connect mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| write | Stores the current configuration in permanent memory. |
| connect (tunnel-connect:1) level commands | |
| block network disable | Forwards (tunnels) network data in connect mode tunneling. |
| block network enable | Discards all data coming in from the connect mode tunnel before forwarding it to the serial interface (generally used |

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| | for debugging). |
| block serial disable | Forwards (tunnels) serial data in connect mode tunneling. |
| block serial enable | Discards all data coming in from the serial interface before forwarding it to the connect mode tunnel (generally used for debugging). |
| clrscrn | Clears the screen. |
| connect mode always | Enables the tunneling server to always establish tunneling connections. |
| connect mode any character | Enables the tunneling server to establish a tunneling connection when a character is received on the corresponding line (serial port). |
| connect mode disable | Disables connect mode tunneling. |
| connect mode modem control asserted | Enables the tunneling server to make tunneling connections when the modem control pin is asserted. |
| connect mode modem emulation | Enables modem emulation for connect mode tunneling. |
| connect mode start character | Enables connect mode tunneling when the configured start character is received on the line. |
| default connect mode | Restores the default connect mode as 'disable'. |
| default host mode | Connects to the first host in the list that accepts the connection. |
| default local port | Uses a random port number as the local port for establishing tunneling connections to other devices. |
| default reconnect time | Restores the default reconnect time value for connect mode tunneling. |
| default start character | Defaults the connect mode start character. |
| email connect <number> | Sets an email profile to use to send an email alert upon establishing a connect mode tunnel. <number> = the number of the email profile to use. |
| email disconnect <number> | Sets an email profile to use to send an email alert upon closing a connect mode tunnel. <number> = the number of the email profile to use. |
| exit | Returns to the tunnel level. |
| flush serial disable | Characters already in the serial data buffer are retained upon establishing a connect mode tunneling connection. |
| flush serial enable | Flushes the serial data buffer upon establishing a connect mode tunneling connection. |
| flush start character disable | Enables forwarding of the connect start character into the network. |
| flush start character enable | Disables forwarding of the connect start character into the network. |
| host <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| host mode sequential | Connects to the first host in the list that accepts the connection. |
| host mode simultaneous | Selects simultaneous connections to all hosts on the host list. |
| kill connection | Disconnects the active connect mode tunneling connection or connections. |
| local port <number> | Sets a specific port for use as the local port. <number> = the number of the port to use. |
| no email connect | Discontinues sending email alerts upon establishing a |

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| | connect mode tunnel. |
| no email disconnect | Discontinues sending email alerts upon closing a connect mode tunnel. |
| promote host <number> | Promotes the identified host, exchanging it place with the host above it, to adjust the order of the defined hosts. |
| reconnect time <milliseconds> | Sets the reconnect time value for tunneling connections established by the device in milliseconds. <milliseconds> = timeout in milliseconds. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel connect status. |
| start character <control> | Sets the connect mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-http_post-connection:wlan0 link state change:1) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-ftp_put-connection:wlan0 link state change:1) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |

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|--|---|
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-http_post-connection:usb0 link state change:1) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-ftp_put-connection:usb0 link state change:1) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |

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|---|---|
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-http_post-connection:on scheduled reboot:1) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-ftp_put-connection:on scheduled reboot:1) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |

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|--|---|
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-http_post-connection:eth0 link state change:1) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 1 (config-action-ftp_put-connection:eth0 link state change:1) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |

| | |
|---|---|
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-http_post-connection:wlan0 link state change:2) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-ftp_put-connection:wlan0 link state change:2) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |

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|--|---|
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-http_post-connection:usb0 link state change:2) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or host-name. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-ftp_put-connection:usb0 link state change:2) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-http_post-connection:on scheduled reboot:2) level commands | |
| clrscrn | Clears the screen. |

| | |
|--|---|
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-ftp_put-connection:on scheduled reboot:2) level commands | |
| clrscrn | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-http_post-connection:eth0 link state change:2) level commands | |
| clrscrn | Clears the screen. |
| default port | Sets default Port number. |
| default protocol | Sets default HTTP Protocol. |
| exit | Exits to the next higher level. |

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|--|---|
| host <text> | Sets HTTP server IP address or hostname to be connected to. |
| no host | Clears HTTP server IP address or hostname. |
| no password | Clears the Password. |
| no url | Clears HTTP request URL. |
| no username | Clears the Username. |
| password <text> | Sets the Password used to logon to HTTP server. |
| port <number> | Sets the Port number which HTTP server is listening to. |
| protocol http | Selects HTTP Protocol. |
| protocol https | Selects HTTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| url <text> | Sets HTTP request URL following IP address or hostname. |
| username <text> | Sets the Username used to logon to HTTP server. |
| write | Stores the current configuration in permanent memory. |
| connection 2 (config-action-ftp_put-connection:eth0 link state change:2) level commands | |
| clrscrm | Clears the screen. |
| default filename | Sets default FTP remote Filename. |
| default port | Sets default Port number. |
| default protocol | Sets default FTP Protocol. |
| default username | Sets default Username. |
| exit | Exits to the next higher level. |
| filename <text> | Sets FTP remote Filename. |
| host <text> | Sets FTP server IP address or hostname to be connected to. |
| no host | Clears FTP server IP address or hostname. |
| no password | Sets default Password. |
| password <text> | Sets the Password used to logon to FTP server. |
| port <number> | Sets the Port number which FTP server is listening to. |
| protocol ftp | Selects FTP Protocol. |
| protocol ftps | Selects FTPS Protocol. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the Username used to logon to FTP server. |
| write | Stores the current configuration in permanent memory. |
| credentials (ssl-credentials) level commands | |
| clrscrm | Clears the screen. |
| create <credential name> | Create a new credential name |
| delete <credential name> | Delete existing credential by name |
| edit <credential name> | View or edit an existing credential |
| exit | Exits to the ssl level. |
| show | Show existing credential names |
| show history | Displays the last 20 commands entered during the current |

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| | CLI session. |
| write | Stores the current configuration in permanent memory. |
| device (device) level commands | |
| auto show tlog | Continuously displays the internal trouble log. |
| clrscrn | Clears the screen. |
| default long name | Restores the default product long name. |
| default short name | Restores the default product short name. |
| exit | Exit to the enable level. |
| long name <name> | Sets the product long name, displayed in command mode and the Web interface. |
| reboot schedule | Enters the reboot schedule level |
| short name <name> | Sets the product short name, displayed in command mode and the Web interface. <name> = maximum of eight characters. |
| show | Show system information |
| show hardware information | Displays information about the hardware. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show lines | Show line information |
| show memory | Displays current memory usage information. |
| show task state | Displays current task states. |
| show tlog | Displays the internal trouble log. |
| write | Stores the current configuration in permanent memory. |
| dhcpserver (config-dhcpd) level commands | |
| clrscrn | Clears the screen. |
| default end ip address | Restores end IP address of DHCP address pool to the default value. |
| default end ipv6 address | Clears the end IPv6 address of DHCP address pool. |
| default lease time | Restores the lease time to default value (24 hours). |
| default start ip address | Restores start IP address of DHCP address pool to the default value. |
| default start ipv6 address | Clears the start IPv6 address of DHCP address pool. |
| delete all static leases | Deletes all static leases. |
| delete static lease <instance> | Deletes an entry from the static lease table <instance> = index of the entry being removed |
| end ip address <IP address> | Sets the end IP address of DHCP address pool. |
| end ipv6 address <ipv6 address/prefix> | Sets the end IPv6 address of DHCP address pool. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 state disable | Disables IPv6 DHCP server. |
| ipv6 state enable | Enables IPv6 DHCP server. |
| lease time <hours> | Sets the lease time. <number> = lease time in hours. |
| show | Displays the current configuration. |

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| show history | Displays the last 20 commands entered during the current CLI session. |
| start ip address <IP address> | Sets the start IP address of DHCP address pool. |
| start ipv6 address <ipv6 address/prefix> | Sets the start IPv6 address of DHCP address pool. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| state enable | Enables DHCP server. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| diagnostics (config-diagnostics) level commands | |
| clrscrn | Clears the screen. |
| exit | Returns to the config level. |
| log | Enters the next lower level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| disconnect (tunnel-disconnect:3) level commands | |
| clrscrn | Clears the screen. |
| exit | Returns to the tunnel level. |
| flush serial disable | Does not flush serial data upon closing a tunneling connection. |
| flush serial enable | Flushes serial data buffer when a tunneling connection is closed. |
| flush stop character disable | Forwards the stop character from the Line to the network. |
| flush stop character enable | Prevents the stop character from the Line from being forwarded to the network. |
| modem control disable | Does not watch the modem control pin to disconnect. |
| modem control enable | Watches the modem control pin and disconnects if it is not asserted. |
| no stop character | Removes the stop character. |
| no timeout | Disables disconnect after timeout feature for tunneling sessions. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| stop character <control> | Sets the stop character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| timeout <milliseconds> | Disconnects when no data has been received on the line (serial port) for the specified length of time. <milliseconds> = timeout in milliseconds. |
| write | Stores the current configuration in permanent memory. |
| disconnect (tunnel-disconnect:2) level commands | |

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|--|--|
| clrscrn | Clears the screen. |
| exit | Returns to the tunnel level. |
| flush serial disable | Does not flush serial data upon closing a tunneling connection. |
| flush serial enable | Flushes serial data buffer when a tunneling connection is closed. |
| flush stop character disable | Forwards the stop character from the Line to the network. |
| flush stop character enable | Prevents the stop character from the Line from being forwarded to the network. |
| modem control disable | Does not watch the modem control pin to disconnect. |
| modem control enable | Watches the modem control pin and disconnects if it is not asserted. |
| no stop character | Removes the stop character. |
| no timeout | Disables disconnect after timeout feature for tunneling sessions. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| stop character <control> | Sets the stop character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| timeout <milliseconds> | Disconnects when no data has been received on the line (serial port) for the specified length of time. <milliseconds> = timeout in milliseconds. |
| write | Stores the current configuration in permanent memory. |
| disconnect (tunnel-disconnect:1) level commands | |
| clrscrn | Clears the screen. |
| exit | Returns to the tunnel level. |
| flush serial disable | Does not flush serial data upon closing a tunneling connection. |
| flush serial enable | Flushes serial data buffer when a tunneling connection is closed. |
| flush stop character disable | Forwards the stop character from the Line to the network. |
| flush stop character enable | Prevents the stop character from the Line from being forwarded to the network. |
| modem control disable | Does not watch the modem control pin to disconnect. |
| modem control enable | Watches the modem control pin and disconnects if it is not asserted. |
| no stop character | Removes the stop character. |
| no timeout | Disables disconnect after timeout feature for tunneling sessions. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| stop character <control> | Sets the stop character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| timeout <milliseconds> | Disconnects when no data has been received on the line |

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| | (serial port) for the specified length of time. <milliseconds> = timeout in milliseconds. |
| write | Stores the current configuration in permanent memory. |
| discovery (config-discovery) level commands | |
| clear counters | Zeros Query Port counters |
| clrscrn | Clears the screen. |
| default upnp port | Resets the UPnP Server port to its default value (0x77FF). |
| exit | Returns to the config level. |
| no clear counters | Unzeros Query Port counters |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Displays statistics and information about the discovery services. |
| state disable | Disables the Query Port server. |
| state enable | Enables the Query Port server. |
| upnp port <number> | Sets the port number the UPnP server will use. <number> = port number. |
| upnp state disable | Disables the UPnP server. |
| upnp state enable | Enables the UPnP server. |
| write | Stores the current configuration in permanent memory. |
| dns (dns) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the enable level. |
| lookup <host_or_ip> | Return a lookup on the DNS name or IP address. |
| show | Show DNS status. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| edit 1 (config-profile-basic:lantronix_default_adhoc) level commands | |
| advanced | Switch to advanced level |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exit to the profiles level |
| network name <text> | Sets the network name. |
| no network name | Clears the network name. |
| security | Switch to security level |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables this profile. |
| state enable | Enables this profile. |
| write | Stores the current configuration in permanent memory. |
| email (config-action-email:wlan0 link state change) level commands | |

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| alarm email email <number> | Specifies the email number to send when the alarm turns on. |
| alarm email none | Specifies no email when the alarm turns on. |
| alarm message <text> | Sets the email message to be sent when the alarm turns on. |
| alarm reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains on. |
| clrscrn | Clears the screen. |
| default alarm email | Restores the default and no email is sent when the alarm turns on. |
| default normal email | Restores the default and no email is sent when the alarm turns off. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm email message. |
| no alarm reminder interval | Only one message will be sent when the alarm turns on. |
| no normal message | Removes the normal email message. |
| no normal reminder interval | Only one message will be sent when the alarm turns off. |
| normal email email <number> | Specifies the email number to send when the alarm turns off. |
| normal email none | Specifies no email when the alarm turns off. |
| normal message <text> | Sets the email message to be sent when the alarm turns off. |
| normal reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains off. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| email (config-action-email:usb0 link state change) level commands | |
| alarm email email <number> | Specifies the email number to send when the alarm turns on. |
| alarm email none | Specifies no email when the alarm turns on. |
| alarm message <text> | Sets the email message to be sent when the alarm turns on. |
| alarm reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains on. |
| clrscrn | Clears the screen. |
| default alarm email | Restores the default and no email is sent when the alarm turns on. |
| default normal email | Restores the default and no email is sent when the alarm turns off. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm email message. |
| no alarm reminder interval | Only one message will be sent when the alarm turns on. |
| no normal message | Removes the normal email message. |
| no normal reminder interval | Only one message will be sent when the alarm turns off. |
| normal email email <number> | Specifies the email number to send when the alarm turns off. |
| normal email none | Specifies no email when the alarm turns off. |

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| normal message <text> | Sets the email message to be sent when the alarm turns off. |
| normal reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains off. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| email (config-action-email:on scheduled reboot) level commands | |
| alarm email email <number> | Specifies the email number to send when the alarm turns on. |
| alarm email none | Specifies no email when the alarm turns on. |
| alarm message <text> | Sets the email message to be sent when the alarm turns on. |
| alarm reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains on. |
| clrscrn | Clears the screen. |
| default alarm email | Restores the default and no email is sent when the alarm turns on. |
| default normal email | Restores the default and no email is sent when the alarm turns off. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm email message. |
| no alarm reminder interval | Only one message will be sent when the alarm turns on. |
| no normal message | Removes the normal email message. |
| no normal reminder interval | Only one message will be sent when the alarm turns off. |
| normal email email <number> | Specifies the email number to send when the alarm turns off. |
| normal email none | Specifies no email when the alarm turns off. |
| normal message <text> | Sets the email message to be sent when the alarm turns off. |
| normal reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains off. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| email (config-action-email:eth0 link state change) level commands | |
| alarm email email <number> | Specifies the email number to send when the alarm turns on. |
| alarm email none | Specifies no email when the alarm turns on. |
| alarm message <text> | Sets the email message to be sent when the alarm turns on. |
| alarm reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains on. |
| clrscrn | Clears the screen. |
| default alarm email | Restores the default and no email is sent when the alarm turns on. |
| default normal email | Restores the default and no email is sent when the alarm |

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| | turns off. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm email message. |
| no alarm reminder interval | Only one message will be sent when the alarm turns on. |
| no normal message | Removes the normal email message. |
| no normal reminder interval | Only one message will be sent when the alarm turns off. |
| normal email email <number> | Specifies the email number to send when the alarm turns off. |
| normal email none | Specifies no email when the alarm turns off. |
| normal message <text> | Sets the email message to be sent when the alarm turns off. |
| normal reminder interval <minutes> | Sets the time interval that messages will be sent while the alarm remains off. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| email 1 (email:1) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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| | CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 10 (email:10) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 11 (email:11) level commands | |

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| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 12 (email:12) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |

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| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 13 (email:13) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |

| | |
|---|---|
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 14 (email:14) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrm | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |

| | |
|---|---|
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 15 (email:15) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 16 (email:16) level commands | |

| | |
|---|---|
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 2 (email:2) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |

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|---|---|
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 3 (email:3) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |

| | |
|---|---|
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 4 (email:4) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrm | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |

| | |
|---|---|
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 5 (email:5) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 6 (email:6) level commands | |

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|---|---|
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 7 (email:7) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |

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|---|---|
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 8 (email:8) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrn | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |

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|---|---|
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| email 9 (email:9) level commands | |
| auto show statistics | Continuously displays email statistics. |
| cc <text> | Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| clear log | Clears all entries from the mail log. |
| clear mail counters | Sets the email counters to zero. |
| clrscrm | Clears the screen. |
| default priority | Sets X-Priority for email alerts to 3 (normal). |
| email <number> | Enters the configure email level. |
| exit | Exits to the enable level. |
| message file <text> | Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file. |
| no cc | Removes the Cc addresses for email alerts. |
| no clear mail counters | Restores the email counters to the aggregate values. |
| no message file | Removes the file name, so the message body will be empty. |
| no reply to | Removes the Reply To address for email alerts. |
| no subject | Removes subject used for email alerts. |
| no to | Removes the To addresses for email alerts. |
| priority high | Sets X-Priority for email alerts to 2 (high). |
| priority low | Sets X-Priority for email alerts to 4 (low). |
| priority normal | Sets X-Priority for email alerts to 3 (normal). |
| priority urgent | Sets X-Priority for email alerts to 1 (urgent). |
| priority very low | Sets X-Priority for email alerts to 5 (very low). |
| reply to <text> | Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert. |
| send | Sends an email using the current settings. |
| show | Displays the current configuration. |

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|---------------------------------------|---|
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the email log. |
| show statistics | Displays email statistics. |
| subject <text> | Sets the Subject for email alerts. <text> = text to placed as the subject. |
| to <text> | Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses. |
| write | Stores the current configuration in permanent memory. |
| enable (enable) level commands | |
| auto show interfaces | Show interface statistics |
| auto show processes | Continuously show thread runtime information |
| clrscrn | Clears the screen. |
| configure | Enters the configuration level. |
| connect | Show name and number for lines. |
| connect line <line> | Begin session on serial port. |
| device | Enters the device level. |
| disable | Exits the enable level. |
| dns | Enters the DNS level. |
| email <number> | Enters the configure email level. |
| exit | Exit from the system |
| filesystem | Enters the filesystem level. |
| iperf <params> | Run iperf with command line parameters passed in quoted string. |
| kill ssh <session> | Kills SSH session with index from "show sessions" |
| kill telnet <session> | Kills Telnet session with index from "show sessions" |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| ping <host> | Ping destination continuously with 5 second timeout |
| ping <host> <count> | Ping destination n times with 5 second timeout |
| ping <host> <count> <timeout> | Ping destination n times with x timeout (in seconds) |
| ping6 <host> | Ping destination continuously with 5 second timeout |
| ping6 <host> <count> | Ping destination n times with 5 second timeout |
| ping6 <host> <count> <timeout> | Ping destination n times with x timeout (in seconds) |
| reload | Reboot system |
| reload factory defaults | Reload factory defaults to permanent storage |
| show | Show system information |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show interfaces | Show interface statistics |
| show ip sockets | Show UDP/TCP state information |
| show lines | Show line information |
| show processes | Show thread runtime information |
| show routes | show system routing table |
| show rules | show system rules |
| show sessions | Show active Telnet and SSH Sessions |

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| ssh | Enters the SSH configuration level. |
| ssh <optClientUsername> <host> | Begin SSH session on network <host>. The optClientUserName must match an SSH Client: Users configuration entry. Use "" in optClientUserName to prompt for host username and password. |
| ssh <optClientUsername> <host> <port> | Begin SSH session on network <host>:<port>. The optClientUserName must match an SSH Client: Users configuration entry. Use "" in optClientUserName to prompt for host username and password. |
| ssl | Enters the SSL configuration level. |
| tcpdump <parameters> | dump traffic on a network |
| telnet <host> | Begin telnet session on network <host>. |
| telnet <host> <port> | Begin telnet session on network <host>:<port>. |
| trace route <host> | Trace route to destination |
| trace route <host> <protocol> | Trace route to destination using TCP, ICMP, or UDP |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| xml | Enters the XML level. |
| eth0 link state change (config-action:eth0 link state change) level commands | |
| clrscrn | Clears the screen. |
| default delay | Resets alarm processing delay to its default value. |
| delay <seconds> | Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time. |
| email | Enters the next lower level. |
| exit | Exits to the config alarm level. |
| ftp put | Enters the next lower level. |
| http post | Enters the next lower level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays statistics. |
| snmp trap | Enters the next lower level. |
| write | Stores the current configuration in permanent memory. |
| failover (config-ethernet-failover:usb0) level commands | |
| clrscrn | Clears the screen. |
| default failback threshold | Restores the default Failback threshold. |
| default failover interface | Restores the default Failover interface. |
| default failover threshold | Restores the default Failover threshold. |
| default interval | Restores the default Ping interval. |
| default method | Restores the default ping method. |
| default timeout | Restores the default Ping response timeout. |
| exit | Exit back to interface configuration level |
| failback threshold <pings> | Sets the Failback threshold. If <pings> attempts are answered, the device will Failback to original interface. |
| failover interface <text> | Sets the Failover interface. |

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| failover threshold <pings> | Sets the Failover threshold. If <pings> attempts go unanswered, the device will Failover to selected interface. |
| hostname <text> | Sets the host name. <text> = name of the host to ping. |
| interval <seconds> | Sets the Ping interval in seconds. |
| method icmp | Ping using ICMP-ECHO. |
| method tcp | Ping using TCP. |
| no hostname | Clears the host name. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Show failover status |
| state disable | Disables Failover. |
| state enable | Enables Failover. |
| test | Test failover configuration |
| timeout <seconds> | Sets the Ping response timeout in seconds. |
| write | Stores the current configuration in permanent memory. |
| failover (config-wlan-failover:wlan0) level commands | |
| clrscrn | Clears the screen. |
| default failback threshold | Restores the default Failback threshold. |
| default failover interface | Restores the default Failover interface. |
| default failover threshold | Restores the default Failover threshold. |
| default interval | Restores the default Ping interval. |
| default method | Restores the default ping method. |
| default timeout | Restores the default Ping response timeout. |
| exit | Exit back to interface configuration level |
| failback threshold <pings> | Sets the Failback threshold. If <pings> attempts are answered, the device will Failback to original interface. |
| failover interface <text> | Sets the Failover interface. |
| failover threshold <pings> | Sets the Failover threshold. If <pings> attempts go unanswered, the device will Failover to selected interface. |
| hostname <text> | Sets the host name. <text> = name of the host to ping. |
| interval <seconds> | Sets the Ping interval in seconds. |
| method icmp | Ping using ICMP-ECHO. |
| method tcp | Ping using TCP. |
| no hostname | Clears the host name. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Show failover status |
| state disable | Disables Failover. |
| state enable | Enables Failover. |
| test | Test failover configuration |
| timeout <seconds> | Sets the Ping response timeout in seconds. |
| write | Stores the current configuration in permanent memory. |
| failover (config-ethernet-failover:eth0) level commands | |
| clrscrn | Clears the screen. |

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| default failback threshold | Restores the default Failback threshold. |
| default failover interface | Restores the default Failover interface. |
| default failover threshold | Restores the default Failover threshold. |
| default interval | Restores the default Ping interval. |
| default method | Restores the default ping method. |
| default timeout | Restores the default Ping response timeout. |
| exit | Exit back to interface configuration level |
| failback threshold <pings> | Sets the Failback threshold. If <pings> attempts are answered, the device will Failback to original interface. |
| failover interface <text> | Sets the Failover interface. |
| failover threshold <pings> | Sets the Failover threshold. If <pings> attempts go unanswered, the device will Failover to selected interface. |
| hostname <text> | Sets the host name. <text> = name of the host to ping. |
| interval <seconds> | Sets the Ping interval in seconds. |
| method icmp | Ping using ICMP-ECHO. |
| method tcp | Ping using TCP. |
| no hostname | Clears the host name. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Show failover status |
| state disable | Disables Failover. |
| state enable | Enables Failover. |
| test | Test failover configuration |
| timeout <seconds> | Sets the Ping response timeout in seconds. |
| write | Stores the current configuration in permanent memory. |
| filesystem (filesystem) level commands | |
| cat <file> | Show the contents of a file |
| cd <directory> | Change the current directory to the specified directory |
| clrscrn | Clears the screen. |
| cp <source file> <destination file> | Copy an existing file |
| dump <file> | Show contents of a file as a hex dump |
| exit | Exits to the enable level. |
| format | Format the file system and lose all data |
| ls | Show all files and directories in the current directory |
| ls <directory> | Show all files and directories in the specified directory |
| mass storage | Enters the next lower level. |
| mkdir <directory> | Create a directory |
| mv <source file> <destination file> | Move a file on the file system |
| pwd | Print working directory |
| rm <file> | Remove a file |
| rmdir <directory> | Remove a directory |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show tree | Show all files and directories from current directory |

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| tftp get <source file> <destination file> <host> | Get a file using TFTP |
| tftp get <source file> <destination file> <host> <port> | Get a file using TFTP |
| tftp put <source file> <destination file> <host> | Put a file using TFTP |
| tftp put <source file> <destination file> <host> <port> | Put a file using TFTP |
| touch <file> | Create a file |
| filter 1 (config-ethernet-qos-filter:usb0:1) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 1 (config-wlan-qos-filter:wlan0:1) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |

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| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 1 (config-ethernet-qos-filter:eth0:1) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |

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| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 10 (config-ethernet-qos-filter:usb0:10) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 10 (config-wlan-qos-filter:wlan0:10) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must en- |

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| | close the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 10 (config-ethernet-qos-filter:eth0:10) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |

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| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 11 (config-ethernet-qos-filter:usb0:11) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 11 (config-wlan-qos-filter:wlan0:11) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be |

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| | separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 11 (config-ethernet-qos-filter:eth0:11) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |

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| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 12 (config-ethernet-qos-filter:usb0:12) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 12 (config-wlan-qos-filter:wlan0:12) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |

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| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 12 (config-ethernet-qos-filter:eth0:12) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |

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| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 13 (config-ethernet-qos-filter:usb0:13) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 13 (config-wlan-qos-filter:wlan0:13) level commands | |
| clrscrn | Clears the screen. |

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| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 13 (config-ethernet-qos-filter:eth0:13) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |

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| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 14 (config-ethernet-qos-filter:usb0:14) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |

| filter 14 (config-wlan-qos-filter:wlan0:14) level commands | |
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| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 14 (config-ethernet-qos-filter:eth0:14) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |

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| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 15 (config-ethernet-qos-filter:usb0:15) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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| | CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 15 (config-wlan-qos-filter:wlan0:15) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 15 (config-ethernet-qos-filter:eth0:15) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |

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| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 16 (config-ethernet-qos-filter:usb0:16) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%- |

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| | 100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 16 (config-wlan-qos-filter:wlan0:16) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 16 (config-ethernet-qos-filter:eth0:16) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |

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| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 17 (config-ethernet-qos-filter:usb0:17) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%- |

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| | 100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 17 (config-wlan-qos-filter:wlan0:17) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 17 (config-ethernet-qos-filter:eth0:17) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |

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| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 18 (config-ethernet-qos-filter:usb0:18) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated |

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| | is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 18 (config-wlan-qos-filter:wlan0:18) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 18 (config-ethernet-qos-filter:eth0:18) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" |

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| | 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 19 (config-ethernet-qos-filter:usb0:19) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allo- |

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| | cated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 19 (config-wlan-qos-filter:wlan0:19) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 19 (config-ethernet-qos-filter:eth0:19) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |

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| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 2 (config-ethernet-qos-filter:usb0:2) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |

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| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 2 (config-wlan-qos-filter:wlan0:2) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 2 (config-ethernet-qos-filter:eth0:2) level commands | |
| clrscrn | Clears the screen. |

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| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 20 (config-ethernet-qos-filter:usb0:20) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |

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|---|---|
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 20 (config-wlan-qos-filter:wlan0:20) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |

| filter 20 (config-ethernet-qos-filter:eth0:20) level commands | |
|--|---|
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 21 (config-ethernet-qos-filter:usb0:21) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |

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| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 21 (config-wlan-qos-filter:wlan0:21) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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| | CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 21 (config-ethernet-qos-filter:eth0:21) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 22 (config-ethernet-qos-filter:usb0:22) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |

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|---|---|
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 22 (config-wlan-qos-filter:wlan0:22) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%- |

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| | 100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 22 (config-ethernet-qos-filter:eth0:22) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 23 (config-ethernet-qos-filter:usb0:23) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |

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|---|---|
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 23 (config-wlan-qos-filter:wlan0:23) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%- |

| | |
|--|---|
| | 100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 23 (config-ethernet-qos-filter:eth0:23) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 24 (config-ethernet-qos-filter:usb0:24) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |

| | |
|---|---|
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 24 (config-wlan-qos-filter:wlan0:24) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated |

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| | is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 24 (config-ethernet-qos-filter:eth0:24) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 25 (config-ethernet-qos-filter:usb0:25) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" |

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| | 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 25 (config-wlan-qos-filter:wlan0:25) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allo- |

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| | cated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 25 (config-ethernet-qos-filter:eth0:25) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 26 (config-ethernet-qos-filter:usb0:26) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |

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| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 26 (config-wlan-qos-filter:wlan0:26) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |

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| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 26 (config-ethernet-qos-filter:eth0:26) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 27 (config-ethernet-qos-filter:usb0:27) level commands | |
| clrscrn | Clears the screen. |

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| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 27 (config-wlan-qos-filter:wlan0:27) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |

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| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 27 (config-ethernet-qos-filter:eth0:27) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |

| filter 28 (config-ethernet-qos-filter:usb0:28) level commands | |
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| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 28 (config-wlan-qos-filter:wlan0:28) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |

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| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 28 (config-ethernet-qos-filter:eth0:28) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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| | CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 29 (config-ethernet-qos-filter:usb0:29) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 29 (config-wlan-qos-filter:wlan0:29) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |

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| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 29 (config-ethernet-qos-filter:eth0:29) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%- |

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| | 100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 3 (config-ethernet-qos-filter:usb0:3) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 3 (config-wlan-qos-filter:wlan0:3) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |

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| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 3 (config-ethernet-qos-filter:eth0:3) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%- |

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| | 100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 30 (config-ethernet-qos-filter:usb0:30) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 30 (config-wlan-qos-filter:wlan0:30) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |

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| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 30 (config-ethernet-qos-filter:eth0:30) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated |

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| | is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 31 (config-ethernet-qos-filter:usb0:31) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 31 (config-wlan-qos-filter:wlan0:31) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" |

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| | 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 31 (config-ethernet-qos-filter:eth0:31) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allo- |

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| | cated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 32 (config-ethernet-qos-filter:usb0:32) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 32 (config-wlan-qos-filter:wlan0:32) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |

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| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 32 (config-ethernet-qos-filter:eth0:32) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |

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| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 4 (config-ethernet-qos-filter:usb0:4) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 4 (config-wlan-qos-filter:wlan0:4) level commands | |
| clrscrn | Clears the screen. |

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| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 4 (config-ethernet-qos-filter:eth0:4) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |

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| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 5 (config-ethernet-qos-filter:usb0:5) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |

| filter 5 (config-wlan-qos-filter:wlan0:5) level commands | |
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| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 5 (config-ethernet-qos-filter:eth0:5) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |

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| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 6 (config-ethernet-qos-filter:usb0:6) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <i><hexadecimal></i> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <i><text></i> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <i><text></i> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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| | CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 6 (config-wlan-qos-filter:wlan0:6) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 6 (config-ethernet-qos-filter:eth0:6) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |

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| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 7 (config-ethernet-qos-filter:usb0:7) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%- |

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| | 100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 7 (config-wlan-qos-filter:wlan0:7) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 7 (config-ethernet-qos-filter:eth0:7) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |

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| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 8 (config-ethernet-qos-filter:usb0:8) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%- |

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| | 100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 8 (config-wlan-qos-filter:wlan0:8) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 8 (config-ethernet-qos-filter:eth0:8) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |

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| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 9 (config-ethernet-qos-filter:usb0:9) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated |

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| | is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 9 (config-wlan-qos-filter:wlan0:9) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| filter 9 (config-ethernet-qos-filter:eth0:9) level commands | |
| clrscrn | Clears the screen. |
| default priority | Restores the default value of the priority (Excellent Effort). |
| exit | Exits to the next higher level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" |

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| | 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| network <text> | Sets the filter Network. |
| no mac address | Removes the filter MAC Address. |
| no network | Removes the filter Network. |
| no ports | Removes the filter Port. |
| ports <text> | Sets the filter Port. |
| priority background | Sets the priority to Background. Bandwidth allocated is 5%-100%. |
| priority best effort | Sets the priority to Best Effort. Bandwidth allocated is 10%-100%. |
| priority critical applications | Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%. |
| priority excellent effort | Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%. |
| priority internetwork control | Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%. |
| priority network control | Sets the priority to Network Control. Bandwidth allocated is 5%-100%. |
| priority video | Sets the priority to Video. Bandwidth allocated is 20%-100%. |
| priority voice | Sets the priority to Voice. Bandwidth allocated is 30%-100%. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| ftp (config-ftp) level commands | |
| clrscrn | Clears the screen. |
| exit | Returns to the config level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Displays the FTP statistics. |
| state disable | Disables the FTP server. |
| state enable | Enables the FTP server. |
| write | Stores the current configuration in permanent memory. |
| ftp put (config-action-ftp_put:wlan0 link state change) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the FTP Put reminder interval. FTP Put is sent once only. |

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| reminder interval <minutes> | Sets the FTP Put reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| ftp put (config-action-ftp_put:usb0 link state change) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the FTP Put reminder interval. FTP Put is sent once only. |
| reminder interval <minutes> | Sets the FTP Put reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| ftp put (config-action-ftp_put:on scheduled reboot) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the FTP Put reminder interval. FTP Put is sent once only. |
| reminder interval <minutes> | Sets the FTP Put reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| ftp put (config-action-ftp_put:eth0 link state change) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |

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| | tions. |
| no reminder interval | Clears the FTP Put reminder interval. FTP Put is sent once only. |
| reminder interval <minutes> | Sets the FTP Put reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| gateway (config-gateway) level commands | |
| add forwarding rule <start port> <end port> <protocol/> <ip> | Add a forwarding rule without a name. |
| add forwarding rule <start port> <end port> <target port> <protocol> <ingress ip> <ip> | Add a forwarding rule based on ip address without a name. |
| add forwarding rule with name <name> <start port> <end port> <protocol> <ip> | Add a forwarding rule with a name. |
| add forwarding rule with name <name> <start port> <target port> <end port> <protocol> <ingress ip> <ip> | Add a forwarding rule based on ip address with a name. |
| add mac address filter <MAC address> <action> | Add a MAC Address filter. |
| add route <network> <gateway> <interface> <metric> | Add a static route without a name. |
| add route with name <name> <network> <gateway> <interface> <metric> | Add a static route with a name. |
| add virtual ip <IP address> <lan ip address> | Add a Virtual IP. |
| add virtual ip with name <name> <IP address> <lan ip address> | Add a Virtual IP with name. |
| clrscrm | Clears the screen. |
| default operating mode | Restores operating mode to the default value (Disabled). |
| default router ip address | Restores IP address of router to the default value. |
| default router ipv6 address | Clears the IPv6 address of router. |
| default wan interface | Restores preferred WAN interface to the default value. |
| delete all mac address filters | Deletes all mac address filters. |
| delete all routes | Deletes all static routes. |
| delete all rules | Deletes all port forwarding rules. |
| delete all virtual ip | Deletes all virtual interfaces. |
| delete mac address filter <instance> | Deletes an entry from the mac address filters <instance> = index of the entry being removed |
| delete route <instance> | Deletes an entry from the static routes <instance> = index of the entry being removed. |
| delete rule <instance> | Deletes an entry from the port forwarding rules <instance> = index of the entry being removed. |
| delete virtual ip <instance> | Delete virtual ip <instance> = index of the ip being removed. |
| dhcpserver | Enters the dhcpserver level. |
| exit | Returns to the config level. |
| firewall disable | Disables firewall on WAN interface. |
| firewall enable | Enables firewall on WAN interface. |
| mac address filter <number> | Change to config mac filter level. |
| mac address filter disable | Disables MAC Address filtering. |
| mac address filter enable | Enables MAC Address filtering. |

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| no primary dns | Clears the name of the primary DNS server. |
| no secondary dns | Clears the name of the secondary DNS server. |
| operating mode disabled | Disables routing on WAN interface. |
| operating mode gateway | Enables routing with NAT on WAN interface. |
| operating mode router | Enables routing without NAT on WAN interface. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| primary dns <IP address> | Sets the IP address of the primary DNS server. |
| router ip address <ip address/cidr> | Sets the IP address of router. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask) |
| router ipv6 address <ipv6 address/prefix> | Sets the IPv6 address of router. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| secondary dns <IP address> | Sets the IP address of the secondary DNS server. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show routing table | Show current routing table. |
| show status | Show gateway configuration and status. |
| static route <number> | Change to config gateway static route level. |
| virtual ip <number> | Change to virtual ip level. |
| wan interface <text> | Sets the preferred WAN interface. <text> = interface name. |
| write | Stores the current configuration in permanent memory. |
| gre 1 (config-gre:1) level commands | |
| clrscrn | Clears the screen. |
| default local network | Restores the default local network name. |
| default mtu | Restores the default Maximum Transmission Unit (MTU) size. |
| exit | Exits to the config level. |
| gre <instance> | Change to gre level. |
| ip address <text> | Sets the IP address and network mask. |
| local network <text> | Sets the local network name. <text> = local network name. |
| mtu <bytes> | Sets the Maximum Transmission Unit (MTU) size. |
| name <text> | Sets the name. <text> = name. |
| no ip address | Clears the IP address. |
| no name | Clears the name. |
| no remote host | Clear the remote host. |
| no remote network | Clears the remote network IP address. |
| remote host <text> | Sets the remote host. <text> = remote host. |
| remote network <text> | Sets the remote network IP address and network mask. |
| show | Displays the current configuration. |

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| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Show status |
| state disable | Disables GRE tunnel. |
| state enable | Enables GRE tunnel. |
| write | Stores the current configuration in permanent memory. |
| host 1 (tunnel-connect-host:3:1) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |

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| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 1 (tunnel-connect-host:2:1) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it con- |

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| | tains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tun- |

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| | neling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 1 (tunnel-connect-host:1:1) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |

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| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 1 (config-host:1) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |

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| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 10 (tunnel-connect-host:3:10) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tun- |

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| | neling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 10 (tunnel-connect-host:2:10) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 |

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| | bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |

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| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 10 (tunnel-connect-host:1:10) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that |

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| | will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 10 (config-host:10) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the |

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| | default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 11 (tunnel-connect-host:3:11) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |

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| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 11 (tunnel-connect-host:2:11) level commands | |
| address <text> | Sets the remote host to establish tunneling connections |

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| | with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |

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| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 11 (tunnel-connect-host:1:11) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |

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| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |

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| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 11 (config-host:11) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 12 (tunnel-connect-host:3:12) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |

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| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> |

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| | = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 12 (tunnel-connect-host:2:12) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrm | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel con- |

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| | nections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 12 (tunnel-connect-host:1:12) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |

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| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrm | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user |

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| | name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 12 (config-host:12) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 13 (tunnel-connect-host:3:13) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional |

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| | punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |

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| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 13 (tunnel-connect-host:2:13) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tun- |

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| | neling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 13 (tunnel-connect-host:1:13) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 |

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| | bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |

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| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 13 (config-host:13) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 14 (tunnel-connect-host:3:14) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc |

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| | 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key <i><text></i> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <i><hexadecimal></i> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <i><text></i> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <i><text></i> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <i><binary></i> | Sets the host connect tunnel Initial Send text allowing for binary characters. <i><binary></i> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <i><text></i> | Sets the host connect tunnel Initial Send text. <i><text></i> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <i><number></i> | Sets the remote port to use for connect mode tunneling. <i><number></i> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunnel- |

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| | ing. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 14 (tunnel-connect-host:2:14) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |

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| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 14 (tunnel-connect-host:1:14) level commands | |
| address <text> | Sets the remote host to establish tunneling connections |

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| | with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |

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| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 14 (config-host:14) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |

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| write | Stores the current configuration in permanent memory. |
| host 15 (tunnel-connect-host:3:15) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |

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| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 15 (tunnel-connect-host:2:15) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |

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| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> |

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| | = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 15 (tunnel-connect-host:1:15) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrm | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel con- |

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| | nections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 15 (config-host:15) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |

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| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 16 (tunnel-connect-host:3:16) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |

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| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 16 (tunnel-connect-host:2:16) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc |

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| | 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |

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| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 16 (tunnel-connect-host:1:16) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |

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| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 16 (config-host:16) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |

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| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 17 (config-host:17) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 18 (config-host:18) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |

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| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 19 (config-host:19) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 2 (tunnel-connect-host:3:2) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains |

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| | spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |

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| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 2 (tunnel-connect-host:2:2) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |

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| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 2 (tunnel-connect-host:1:2) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional |

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| | punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |

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| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 2 (config-host:2) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 20 (config-host:20) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |

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| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 21 (config-host:21) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 22 (config-host:22) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |

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| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 23 (config-host:23) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 24 (config-host:24) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |

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| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 25 (config-host:25) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 26 (config-host:26) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |

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| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 27 (config-host:27) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 28 (config-host:28) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |

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| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 29 (config-host:29) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 3 (tunnel-connect-host:3:3) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |

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| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |

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| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 3 (tunnel-connect-host:2:3) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as |

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| | 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when con- |

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| | necting. |
| write | Stores the current configuration in permanent memory. |
| host 3 (tunnel-connect-host:1:3) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |

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| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 3 (config-host:3) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |

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| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 30 (config-host:30) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 31 (config-host:31) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |

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| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 32 (config-host:32) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 4 (tunnel-connect-host:3:4) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |

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| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |

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| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 4 (tunnel-connect-host:2:4) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |

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| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 4 (tunnel-connect-host:1:4) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it con- |

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| | tains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tun- |

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| | neling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 4 (config-host:4) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 5 (tunnel-connect-host:3:5) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex dig- |

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| | its. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |

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| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 5 (tunnel-connect-host:2:5) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tun- |

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| | neling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 5 (tunnel-connect-host:1:5) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 |

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| | bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |

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| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 5 (config-host:5) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 6 (tunnel-connect-host:3:6) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc |

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| | 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key <i><text></i> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <i><hexadecimal></i> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <i><text></i> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <i><text></i> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <i><binary></i> | Sets the host connect tunnel Initial Send text allowing for binary characters. <i><binary></i> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <i><text></i> | Sets the host connect tunnel Initial Send text. <i><text></i> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <i><number></i> | Sets the remote port to use for connect mode tunneling. <i><number></i> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunnel- |

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| | ing. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 6 (tunnel-connect-host:2:6) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |

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| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 6 (tunnel-connect-host:1:6) level commands | |
| address <text> | Sets the remote host to establish tunneling connections |

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| | with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |

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| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 6 (config-host:6) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |

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| write | Stores the current configuration in permanent memory. |
| host 7 (tunnel-connect-host:3:7) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |

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| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 7 (tunnel-connect-host:2:7) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |

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| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> |

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| | = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 7 (tunnel-connect-host:1:7) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrm | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel con- |

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| | nections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 7 (config-host:7) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |

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| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 8 (tunnel-connect-host:3:8) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |

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| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 8 (tunnel-connect-host:2:8) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc |

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| | 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |

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| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 8 (tunnel-connect-host:1:8) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |

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| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 8 (config-host:8) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |

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| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| host 9 (tunnel-connect-host:3:9) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |

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| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 9 (tunnel-connect-host:2:9) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |

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| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |

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| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 9 (tunnel-connect-host:1:9) level commands | |
| address <text> | Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host. |
| aes decrypt key <hexadecimal> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes decrypt key text <text> | Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key <hexadecimal> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| aes encrypt key text <text> | Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| auto show statistics | show connection statistics |
| clrscrn | Clears the screen. |
| credentials <text> | Selects the RSA/DSA certificates by name for the SSL client. |
| default protocol | Restores the default connect mode tunneling protocol as 'TCP'. |
| default tcp keep alive | Restores the default 45 second connect mode TCP keep alive timeout. |
| exit | Exits to the next higher level. |
| initial send binary <binary> | Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that |

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| | will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| initial send set <text> | Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection. |
| no address | Removes the remote host address used to establish tunneling connections. |
| no aes decrypt key | Removes the connect tunnel AES decrypt key. |
| no aes encrypt key | Removes the connect tunnel AES encrypt key. |
| no credentials | Clears the RSA/DSA certificate selection for the SSL client. |
| no initial send | Removes the host connect tunnel Initial Send string. |
| no port | Removes the remote port used to establish tunnel connections. |
| no ssh username | Removes the SSH user name. |
| no tcp keep alive | Disables the connect mode TCP keep alive timeout. |
| no tcp user timeout | Restores the default. |
| port <number> | Sets the remote port to use for connect mode tunneling. <number> = number of the port to use. |
| protocol ssh | Uses SSH protocol for connect mode tunneling. |
| protocol ssl | Uses SSL protocol for connect mode tunneling. |
| protocol tcp | Uses TCP protocol for connect mode tunneling. |
| protocol tcp aes | Uses TCP protocol with AES encryption for connect mode tunneling. |
| protocol telnet | Uses Telnet protocol (with IAC) for connect mode tunneling. |
| protocol udp | Uses UDP protocol for connect mode tunneling. |
| protocol udp aes | Uses UDP protocol with AES encryption for connect mode tunneling. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| ssh username <text> | Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name. |
| tcp keep alive <milliseconds> | Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = TCP keep alive for connect mode in milliseconds. |
| tcp user timeout <milliseconds> | Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds. |
| validate certificate disable | Skips verification of the server certificate when connecting. |
| validate certificate enable | Requires verification of the server certificate when connecting. |
| write | Stores the current configuration in permanent memory. |
| host 9 (config-host:9) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Telnet). |
| default remote port | Sets the remote port (used to connect to the host) to the |

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| | default value, which depends on the selected protocol. |
| exit | Exits to the configuration level. |
| host <number> | Change to config host level |
| name <text> | Sets the name of the host. <text> = name of the host. |
| no name | Clears the name of the host. |
| no remote address | Clears the remote address of the host. |
| no ssh username | Clears the SSH username associated with the host. |
| protocol ssh | Sets the protocol to SSH. |
| protocol telnet | Sets the protocol to Telnet. |
| remote address <text> | Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address. |
| remote port <number> | Sets the remote port used to connect to the host. <number> = port to be used. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| ssh username <text> | Sets the username for logging into the host via SSH. <text> = username. |
| write | Stores the current configuration in permanent memory. |
| http (config-http) level commands | |
| auth <uri> | Creates a new HTTP server authentication directive. <uri> = URI of the server. |
| auth type <uri> digest | Sets an HTTP server authentication directive to the Digest Access Authentication scheme. <uri> = URI of the server. |
| auth type <uri> none | Sets the authentication type for an HTTP server authentication directive to none. <uri> = URI of the server. |
| authentication timeout <minutes> | For any Digest AuthType, sets the timeout for authentication. <minutes> = authentication timeout value. |
| clear counters | Sets the HTTP counters to zero. |
| clear log | Clears the HTTP server log. |
| clrscrn | Clears the screen. |
| default authentication timeout | Resets the authentication timeout to its default value. |
| default log format | Restores the HTTP Server log format string to its default value. |
| default max bytes | Resets the maximum bytes to its default value. |
| default max log entries | Restores the default maximum number of HTTP Server log entries. |
| default max timeout | Resets the timeout to its default value. |
| default port | Resets the HTTP Server port to its default value. |
| default secure port | Resets the HTTP Server SSL port to its default value. |
| default secure protocols | Restores the default secure protocol selections. |
| delete auth <uri> | Deletes an existing HTTP Server authentication directive. <uri> = URI of the server. |
| exit | Returns to the config level. |
| https state disable | Disables the HTTPS server. |
| https state enable | Enables the HTTPS server. |
| log format <text> | Sets the log format string for the HTTP server, using the |

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| | following directives: %a remote ip address (could be a proxy) %b bytes sent excluding headers %B bytes sent excluding headers (0 = '-') %h remote host (same as %a) %i header contents from request (h = header string) %m request method %p ephemeral local port value used for request %q query string (prepend with '?' or empty '-') %t timestamp HH:MM:SS (same as Apache '%H:%M:%S') %u remote user (could be bogus for 401 status) %U URL path info %r first line of request (same as '%m %U %q <version>') %s return status |
| logging state disable | Disables HTTP server logging. |
| logging state enable | Enables HTTP server logging. |
| max bytes <number> | Sets the maximum number of bytes the HTTP server accepts when receiving a request. |
| max log entries <number> | Sets the maximum number of HTTP server log entries. <number> = maximum number of HTTP server log entries. |
| max timeout <seconds> | Sets the maximum time the HTTP server waits when receiving a request. <seconds> = maximum timeout value. |
| no clear counters | Restores the HTTP counters to the aggregate values. |
| no port | Disables the HTTP Server port. |
| no secure credentials | Clears the RSA/DSA certificate selection for the HTTP server. |
| no secure port | Disables the HTTP Server SSL port. |
| port <number> | Sets the port number the HTTP server will use. <number> = port number. |
| secure credentials <text> | Selects the RSA/DSA certificates by name for the HTTP server. |
| secure port <number> | Sets the port number the HTTP server will use over SSL. <number> = port number. |
| secure protocols ssl3 disable | Disables the protocol. |
| secure protocols ssl3 enable | Enables the protocol. |
| secure protocols tls1.0 disable | Disables the protocol. |
| secure protocols tls1.0 enable | Enables the protocol. |
| secure protocols tls1.1 disable | Disables the protocol. |
| secure protocols tls1.1 enable | Enables the protocol. |
| secure protocols tls1.2 disable | Disables the protocol. |
| secure protocols tls1.2 enable | Enables the protocol. |
| show | Displays the current configuration. |
| show auth | Displays the HTTP server authentication settings. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show log | Displays the HTTP server log. |
| show statistics | Displays the HTTP statistics. |
| state disable | Disables the HTTP server. |
| state enable | Enables the HTTP server. |
| write | Stores the current configuration in permanent memory. |
| http post (config-action-http_post:wlan0 link state change) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the |

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| | next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the HTTP Post reminder interval. HTTP Post is sent once only. |
| reminder interval <minutes> | Sets the HTTP Post reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| http post (config-action-http_post:usb0 link state change) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the HTTP Post reminder interval. HTTP Post is sent once only. |
| reminder interval <minutes> | Sets the HTTP Post reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| http post (config-action-http_post:on scheduled reboot) level commands | |
| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the HTTP Post reminder interval. HTTP Post is sent once only. |
| reminder interval <minutes> | Sets the HTTP Post reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |

| http post (config-action-http_post:eth0 link state change) level commands | |
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| clrscrn | Clears the screen. |
| connection <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| default mode | Sets default of simultaneous connection mode. |
| exit | Exits to the next higher level. |
| mode sequential | Sets sequential mode; will stop after first connection that goes through. |
| mode simultaneous | Sets simultaneous mode; will make all possible connections. |
| no reminder interval | Clears the HTTP Post reminder interval. HTTP Post is sent once only. |
| reminder interval <minutes> | Sets the HTTP Post reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| icmp (config-icmp) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the configuration level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Prevents ICMP packets from being sent or received. |
| state enable | Allows ICMP packets to be sent and received. |
| write | Stores the current configuration in permanent memory. |
| if 1 (config-if:eth0) level commands | |
| clrscrn | Clears the screen. |
| default gateway <IP address> | Sets the configurable gateway IP address to the default value. |
| default mtu | Restores the default Maximum Transmission Unit (MTU) size. |
| default priority | Restores the default priority for the interface. |
| dhcp client id <text> | Sets the DHCP client ID. |
| dhcp disable | Disables DHCP. |
| dhcp enable | Enables DHCP. |
| dhcp renew | Force DHCP to renew |
| domain <text> | Sets the domain name. <text> = name of the domain. |
| exit | Exits to the config level. |
| failover | Enter failover configuration level |
| hostname <text> | Sets the host name. <text> = name of the host. |
| if <instance> | Changes to the interface configuration level. |
| ip address <ip address/cidr> | Sets the IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask) |
| ipv4 state disable | Disables IPv4 for the interface. |
| ipv4 state enable | Enables IPv4 for the interface. |

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| ipv6 address <ipv6 address/prefix> | Sets the IPv6 static address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 auto configure enable | Enables IPv6 stateless address autoconfiguration. |
| ipv6 default gateway <ipv6 address> | Sets the IPv6 default gateway. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 dhcp enable | Enables IPv6 DHCP. |
| ipv6 domain <text> | Sets the IPv6 domain name. <text> = name of the domain. |
| ipv6 primary dns <ipv6 address> | Sets the IPv6 address of the primary DNS server. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 state enable | Enables IPv6 for the interface. |
| link | Enter link configuration level |
| mtu <bytes> | Sets the Maximum Transmission Unit (MTU) size. |
| no default gateway | Clears the default gateway. |
| no dhcp client id | Clears the DHCP client ID. |
| no domain | Clears the domain name. |
| no hostname | Clears the host name. |
| no ip address | Clears the IP address. |
| no ipv6 address | Clears the IPv6 static address. |
| no ipv6 default gateway | Clears the IPv6 default gateway. |
| no ipv6 domain | Clears the IPv6 domain name. |
| no ipv6 primary dns | Clears the IPv6 address of the primary DNS server. |
| no ipv6 secondary dns | Clears the IPv6 address of the secondary DNS server. |
| no primary dns | Clears the name of the primary DNS server. |
| no secondary dns | Clears the name of the secondary DNS server. |
| primary dns <IP address> | Sets the IP address of the primary DNS server. |
| priority <number> | Sets the priority for interface. <number> = priority number. |
| qos | Enter QoS configuration level |
| secondary dns <IP address> | Sets the IP address of the secondary DNS server. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Show interface status |

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| state disable | Disables the interface. |
| state enable | Enables the interface. |
| write | Stores the current configuration in permanent memory. |
| if 2 (config-if:wlan0) level commands | |
| clrscrn | Clears the screen. |
| default gateway <IP address> | Sets the configurable gateway IP address to the default value. |
| default mtu | Restores the default Maximum Transmission Unit (MTU) size. |
| default priority | Restores the default priority for the interface. |
| dhcp client id <text> | Sets the DHCP client ID. |
| dhcp disable | Disables DHCP. |
| dhcp enable | Enables DHCP. |
| dhcp renew | Force DHCP to renew |
| domain <text> | Sets the domain name. <text> = name of the domain. |
| exit | Exits to the config level. |
| failover | Enter failover configuration level |
| hostname <text> | Sets the host name. <text> = name of the host. |
| if <instance> | Changes to the interface configuration level. |
| ip address <ip address/cidr> | Sets the IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask) |
| ipv4 state disable | Disables IPv4 for the interface. |
| ipv4 state enable | Enables IPv4 for the interface. |
| ipv6 address <ipv6 address/prefix> | Sets the IPv6 static address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 auto configure enable | Enables IPv6 stateless address autoconfiguration. |
| ipv6 default gateway <ipv6 address> | Sets the IPv6 default gateway. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 dhcp enable | Enables IPv6 DHCP. |
| ipv6 domain <text> | Sets the IPv6 domain name. <text> = name of the domain. |
| ipv6 primary dns <ipv6 address> | Sets the IPv6 address of the primary DNS server. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |

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| ipv6 state enable | Enables IPv6 for the interface. |
| link | Enter link configuration level |
| mtu <bytes> | Sets the Maximum Transmission Unit (MTU) size. |
| no default gateway | Clears the default gateway. |
| no dhcp client id | Clears the DHCP client ID. |
| no domain | Clears the domain name. |
| no hostname | Clears the host name. |
| no ip address | Clears the IP address. |
| no ipv6 address | Clears the IPv6 static address. |
| no ipv6 default gateway | Clears the IPv6 default gateway. |
| no ipv6 domain | Clears the IPv6 domain name. |
| no ipv6 primary dns | Clears the IPv6 address of the primary DNS server. |
| no ipv6 secondary dns | Clears the IPv6 address of the secondary DNS server. |
| no primary dns | Clears the name of the primary DNS server. |
| no secondary dns | Clears the name of the secondary DNS server. |
| primary dns <IP address> | Sets the IP address of the primary DNS server. |
| priority <number> | Sets the priority for interface. <number> = priority number. |
| qos | Enter QoS configuration level |
| secondary dns <IP address> | Sets the IP address of the secondary DNS server. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Show interface status |
| state disable | Disables the interface. |
| state enable | Enables the interface. |
| write | Stores the current configuration in permanent memory. |
| if 3 (config-if:usb0) level commands | |
| clrscrn | Clears the screen. |
| default gateway <IP address> | Sets the configurable gateway IP address to the default value. |
| default mtu | Restores the default Maximum Transmission Unit (MTU) size. |
| default priority | Restores the default priority for the interface. |
| dhcp client id <text> | Sets the DHCP client ID. |
| dhcp disable | Disables DHCP. |
| dhcp enable | Enables DHCP. |
| dhcp renew | Force DHCP to renew |
| domain <text> | Sets the domain name. <text> = name of the domain. |
| exit | Exits to the config level. |
| failover | Enter failover configuration level |
| hostname <text> | Sets the host name. <text> = name of the host. |
| if <instance> | Changes to the interface configuration level. |
| ip address <ip address/cidr> | Sets the IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask) |
| ipv4 state disable | Disables IPv4 for the interface. |

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| ipv4 state enable | Enables IPv4 for the interface. |
| ipv6 address <ipv6 address/prefix> | Sets the IPv6 static address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 auto configure enable | Enables IPv6 stateless address autoconfiguration. |
| ipv6 default gateway <ipv6 address> | Sets the IPv6 default gateway. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 dhcp enable | Enables IPv6 DHCP. |
| ipv6 domain <text> | Sets the IPv6 domain name. <text> = name of the domain. |
| ipv6 primary dns <ipv6 address> | Sets the IPv6 address of the primary DNS server. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| ipv6 state enable | Enables IPv6 for the interface. |
| link | Enter link configuration level |
| mtu <bytes> | Sets the Maximum Transmission Unit (MTU) size. |
| no default gateway | Clears the default gateway. |
| no dhcp client id | Clears the DHCP client ID. |
| no domain | Clears the domain name. |
| no hostname | Clears the host name. |
| no ip address | Clears the IP address. |
| no ipv6 address | Clears the IPv6 static address. |
| no ipv6 default gateway | Clears the IPv6 default gateway. |
| no ipv6 domain | Clears the IPv6 domain name. |
| no ipv6 primary dns | Clears the IPv6 address of the primary DNS server. |
| no ipv6 secondary dns | Clears the IPv6 address of the secondary DNS server. |
| no primary dns | Clears the name of the primary DNS server. |
| no secondary dns | Clears the name of the secondary DNS server. |
| primary dns <IP address> | Sets the IP address of the primary DNS server. |
| priority <number> | Sets the priority for interface. <number> = priority number. |
| qos | Enter QoS configuration level |
| secondary dns <IP address> | Sets the IP address of the secondary DNS server. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |

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| show status | Show interface status |
| state disable | Disables the interface. |
| state enable | Enables the interface. |
| write | Stores the current configuration in permanent memory. |
| ip (config-ip) level commands | |
| clrscrn | Clears the screen. |
| default ip time to live | Restores the default IP time to live. |
| default multicast time to live | Restores the default IP multicast time to live, which is one hop. |
| exit | Exits to the configuration level. |
| ip time to live <hops> | Sets the IP time to live, known by SNMP as 'ipDefaultTTL'. <hops> = number of hops that a typical IP packet is allowed to live. |
| multicast time to live <hops> | Sets the IP multicast time to live. <hops> = number of hops that a multicast IP packet is allowed to live. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| key 1 (config-profile-security-wep-key:lantronix_default_adhoc:1) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| key <hexadecimal> | Sets WEP key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| key text <text> | Sets WEP key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| no key | Removes WEP key. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| key 2 (config-profile-security-wep-key:lantronix_default_adhoc:2) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| key <hexadecimal> | Sets WEP key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| key text <text> | Sets WEP key. Each byte is represented by a single |

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| | character. Note that quotes must enclose the value if it contains spaces. |
| no key | Removes WEP key. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| key 3 (config-profile-security-wep-key:lantronix_default_adhoc:3) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| key <hexadecimal> | Sets WEP key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| key text <text> | Sets WEP key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| no key | Removes WEP key. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| key 4 (config-profile-security-wep-key:lantronix_default_adhoc:4) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| key <hexadecimal> | Sets WEP key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| key text <text> | Sets WEP key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| no key | Removes WEP key. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| line 1 (line:1) level commands | |
| auto show statistics | Continuously displays line statistics. |
| baud rate <bits per second> | Sets the line speed. <bits per second> = the speed. Standard speeds include 1200, 2400, 4800, 9600, 19200, and so on. |
| clear line counters | Sets the serial counters to zero. |

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| clrscrn | Clears the screen. |
| command mode always | Sets the current line to always be in command mode. |
| command mode echo serial string disable | Disables user-defined serial boot string to be echoed in the CLI. |
| command mode echo serial string enable | Enables user-defined serial boot string to be echoed in the CLI. |
| command mode serial string | Enables user to enter a custom string at boot time to enter command mode. |
| command mode serial string <i><string></i> | Sets a string that can be entered at boot time to enter command mode. <i><string></i> = text with possible binary characters. Within <code>[]</code> use binary decimal up to 255 or hex up to 0xFF. Within <code>{}</code> specify decimal milliseconds time delay. |
| command mode signon message <i><string></i> | Sets a sign-on message that is sent from the serial port when the device boots and when the line is in command mode. <i><string></i> = text with possible binary characters. Within <code>[]</code> use binary decimal up to 255 or hex up to 0xFF. |
| command mode wait time <i><milliseconds></i> | Sets boot-up wait time for command mode serial string. <i><milliseconds></i> = wait time. |
| configure current settings | Configures line with the current value of settings. |
| data bits 7 | Uses seven bits for data on the line. |
| data bits 8 | Uses eight bits for data on the line. |
| default baud rate | Restores the default speed of 9600 bits per second. |
| default data bits | Restores the default of eight data bits. |
| default flow control | Restores the default of no flow control. |
| default full duplex termination | Restores the default termination on this line. |
| default parity | Restores the default of no parity. |
| default stop bits | Restores the default of one stop bit. |
| default threshold | Restores the factory default threshold. |
| default xoff char | Restores the default xoff character on this line. |
| default xon char | Restores the default xon character on this line. |
| exit | Exits to the enable level |
| flow control hardware | Uses hardware (RTS/CTS) flow control on the line. |
| flow control none | Does not provide flow control on the line. |
| flow control software | Uses software (xon/xoff characters) flow control on the line. |
| full duplex termination disabled | Disables line termination. |
| full duplex termination termination on rx | Sets line termination on Rx only. |
| full duplex termination termination on tx | Sets line termination on Tx only. |
| full duplex termination termination on tx and rx | Sets line termination on Tx and Rx. |
| gap timer <i><milliseconds></i> | Sets the gap timer in milliseconds. If some data has been received, it will be forwarded after this time since the last character. |
| interface rs232 | Sets the line interface to RS232. |
| interface rs485 full-duplex | Sets the line interface to RS485 in full-duplex mode. |
| interface rs485 half-duplex | Sets the line interface to RS485 in half-duplex mode. |
| kill session | Kills command mode session on the Line |
| line <i><line></i> | Enters the line level. <i><line></i> = number of the line (serial port) to be configured. |

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| name <text> | Sets the name for this line. |
| no clear line counters | Restores the serial counters to the aggregate values. |
| no command mode | Disables command mode for the current line. |
| no command mode signon message | Clears the signon message displayed at boot time and when entering command mode. |
| no gap timer | Removes the gap timer, so forwarding depends on the line speed. |
| no name | Removes the name of this line. |
| parity even | Uses a parity bit on the line for even parity. |
| parity none | Does not use a parity bit on the line. |
| parity odd | Uses a parity bit on the line for odd parity. |
| protocol modbus ascii | Applies Modbus ASCII protocol on the line. |
| protocol modbus rtu | Applies Modbus RTU protocol on the line. |
| protocol none | Uses no protocol on the line. |
| protocol tunnel | Applies tunnel protocol on the line. |
| reassert | Asserts line status with current configured values. |
| show | Displays the current status. |
| show command mode | Shows the command mode settings for the current line. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show line | Displays the current configuration. |
| show statistics | Shows the line statistics. |
| state disable | Disables the line so data cannot be sent/received. |
| state enable | Enables the line so data can be sent/received. |
| stop bits 1 | Uses one stop bit after data on the line. |
| stop bits 2 | Uses two stop bits after data on the line. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| termination disable | Refrains from terminating the line. |
| termination enable | Enables 120 ohm line termination in RS485 half-duplex mode. |
| threshold <bytes> | Sets the threshold in bytes. After this many bytes are received, they are forwarded without delay. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| xoff char <control> | Sets the xoff character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| xon char <control> | Sets the xon character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |

| line 2 (line:2) level commands | |
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| auto show statistics | Continuously displays line statistics. |
| baud rate <i><bits per second></i> | Sets the line speed. <i><bits per second></i> = the speed. Standard speeds include 1200, 2400, 4800, 9600, 19200, and so on. |
| clear line counters | Sets the serial counters to zero. |
| clrscrn | Clears the screen. |
| command mode always | Sets the current line to always be in command mode. |
| command mode echo serial string disable | Disables user-defined serial boot string to be echoed in the CLI. |
| command mode echo serial string enable | Enables user-defined serial boot string to be echoed in the CLI. |
| command mode serial string | Enables user to enter a custom string at boot time to enter command mode. |
| command mode serial string <i><string></i> | Sets a string that can be entered at boot time to enter command mode. <i><string></i> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. Within {} specify decimal milliseconds time delay. |
| command mode signon message <i><string></i> | Sets a sign-on message that is sent from the serial port when the device boots and when the line is in command mode. <i><string></i> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| command mode wait time <i><milliseconds></i> | Sets boot-up wait time for command mode serial string. <i><milliseconds></i> = wait time. |
| configure current settings | Configures line with the current value of settings. |
| data bits 7 | Uses seven bits for data on the line. |
| data bits 8 | Uses eight bits for data on the line. |
| default baud rate | Restores the default speed of 9600 bits per second. |
| default data bits | Restores the default of eight data bits. |
| default flow control | Restores the default of no flow control. |
| default full duplex termination | Restores the default termination on this line. |
| default parity | Restores the default of no parity. |
| default stop bits | Restores the default of one stop bit. |
| default threshold | Restores the factory default threshold. |
| default xoff char | Restores the default xoff character on this line. |
| default xon char | Restores the default xon character on this line. |
| exit | Exits to the enable level |
| flow control hardware | Uses hardware (RTS/CTS) flow control on the line. |
| flow control none | Does not provide flow control on the line. |
| flow control software | Uses software (xon/xoff characters) flow control on the line. |
| full duplex termination disabled | Disables line termination. |
| full duplex termination termination on rx | Sets line termination on Rx only. |
| full duplex termination termination on tx | Sets line termination on Tx only. |
| full duplex termination termination on tx and rx | Sets line termination on Tx and Rx. |
| gap timer <i><milliseconds></i> | Sets the gap timer in milliseconds. If some data has been received, it will be forwarded after this time since the last character. |

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| interface rs232 | Sets the line interface to RS232. |
| interface rs485 full-duplex | Sets the line interface to RS485 in full-duplex mode. |
| interface rs485 half-duplex | Sets the line interface to RS485 in half-duplex mode. |
| kill session | Kills command mode session on the Line |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| name <text> | Sets the name for this line. |
| no clear line counters | Restores the serial counters to the aggregate values. |
| no command mode | Disables command mode for the current line. |
| no command mode signon message | Clears the signon message displayed at boot time and when entering command mode. |
| no gap timer | Removes the gap timer, so forwarding depends on the line speed. |
| no name | Removes the name of this line. |
| parity even | Uses a parity bit on the line for even parity. |
| parity none | Does not use a parity bit on the line. |
| parity odd | Uses a parity bit on the line for odd parity. |
| protocol modbus ascii | Applies Modbus ASCII protocol on the line. |
| protocol modbus rtu | Applies Modbus RTU protocol on the line. |
| protocol none | Uses no protocol on the line. |
| protocol tunnel | Applies tunnel protocol on the line. |
| reassert | Asserts line status with current configured values. |
| show | Displays the current status. |
| show command mode | Shows the command mode settings for the current line. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show line | Displays the current configuration. |
| show statistics | Shows the line statistics. |
| state disable | Disables the line so data cannot be sent/received. |
| state enable | Enables the line so data can be sent/received. |
| stop bits 1 | Uses one stop bit after data on the line. |
| stop bits 2 | Uses two stop bits after data on the line. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| termination disable | Refrains from terminating the line. |
| termination enable | Enables 120 ohm line termination in RS485 half-duplex mode. |
| threshold <bytes> | Sets the threshold in bytes. After this many bytes are received, they are forwarded without delay. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| xoff char <control> | Sets the xoff character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <con- |

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| | trol>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| xon char <control> | Sets the xon character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| link (config-wlan:wlan0) level commands | |
| antenna diversity antenna 1 | Set antenna selection to 1 |
| antenna diversity antenna 2 | Set antenna selection to 2 |
| antenna diversity enabled | Set antenna diversity to enabled. |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| cancel wps | Cancel wi-fi protected setup operation. |
| choice <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| clrscrn | Clears the screen. |
| debugging level debug | Sets the WLAN debugging level to Debug. |
| debugging level dump | Sets the WLAN debugging level to Dump, the most verbose option. |
| debugging level error | Sets the WLAN debugging level to Error, which shows only errors. |
| debugging level info | Sets the WLAN debugging level to Info. |
| debugging level warning | Sets the WLAN debugging level to Warning. |
| default antenna diversity | Restore the default value for antenna diversity. |
| default debugging level | Sets the WLAN debugging level to its default value, Info. |
| exit | Exit back to interface configuration level |
| scan <ssid> | Scan the radio environment for networks. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show wps information | Show the configuration received by wi-fi protected setup. |
| show wps information with secrets | Show the configuration received by wi-fi protected setup with secrets. |
| show wps status | Show status of WPS operation. |
| start wps | Starts wi-fi protected setup operation. |
| start wps pin | Starts wi-fi protected setup operation. |
| status | Show link status |
| wifi direct go mode disable | Disables WiFi Direct Group Owner Mode. |
| wifi direct go mode enable | Enables WiFi Direct Group Owner Mode. |
| write | Stores the current configuration in permanent memory. |
| link (config-ethernet:eth0) level commands | |
| clrscrn | Clears the screen. |
| default duplex | Restores the default duplex setting, which is auto. |
| default speed | Restores the default speed setting, which is auto-negotiate. |
| duplex auto | Sets duplex mode to auto. |

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| duplex full | Sets duplex mode to full. |
| duplex half | Sets duplex mode to half. |
| exit | Exit back to interface configuration level |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| speed 10 | Sets the speed of the Ethernet link to 10 Mbps. |
| speed 100 | Sets the speed of the Ethernet link to 100 Mbps. |
| speed auto | Sets the speed of the Ethernet link to auto-negotiate. |
| write | Stores the current configuration in permanent memory. |
| log (config-diagnostics-log) level commands | |
| clrscrn | Clears the screen. |
| default max length | Restores the factory default maximum Log file size. |
| default output | Restores the default log output, which is disable. |
| exit | Exits to the next higher level. |
| max length <Kbytes> | Sets the maximum size in Kbytes for the Log file. |
| output disable | Disables log output. |
| output filesystem | Enables log to filesystem. |
| output line <number> | Enables log to serial line. |
| output usb <number> | Enables log to usb line. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 1 (config-mac_filter:1) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 2 (config-mac_filter:2) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |

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| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 3 (config-mac_filter:3) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 4 (config-mac_filter:4) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 5 (config-mac_filter:5) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |

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| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 6 (config-mac_filter:6) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 7 (config-mac_filter:7) level commands | |
| action accept | Sets the action to ACCEPT. |
| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mac address filter 8 (config-mac_filter:8) level commands | |
| action accept | Sets the action to ACCEPT. |

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| action drop | Sets the action to DROP. |
| clrscrn | Clears the screen. |
| default action | Restores the default value of action (ACCEPT). |
| exit | Exits to the config-gateway level. |
| mac address <hexadecimal> | Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| mac address filter <number> | Change to config mac filter level. |
| no mac address | Removes the filter MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| mass storage (filesystem-mass_storage) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| usb auto mount disable | Disables automatic mount of connected USB drives. |
| usb auto mount enable | Enables automatic mount of connected USB drives. |
| write | Stores the current configuration in permanent memory. |
| modbus (modbus) level commands | |
| additional port <number> | Sets an additional TCP server port. |
| clrscrn | Clears the screen. |
| default response timeout | Restores the default Modbus Response Timeout. |
| exit | Exits to the config level. |
| kill connection <index> | Kills modbus connection selected by index from show connections. |
| no additional port | Removes the additional TCP server port. |
| response timeout <milliseconds> | Sets the Modbus Response Timeout in milliseconds. |
| show | Displays the current configuration. |
| show connections | Displays connections. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Displays statistics. |
| tcp server state disable | Disables the Modbus TCP Server. |
| tcp server state enable | Enables the Modbus TCP Server. |
| write | Stores the current configuration in permanent memory. |
| modem (tunnel-modem:3) level commands | |
| clrscrn | Clears the screen. |
| connect string <text> | Sets the CONNECT string used in modem emulation. <string> = connect string. |
| default incoming connection | Default disables incoming network connections. |
| default response type | Default uses text type responses. |

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| display remote ip disable | The incoming RING has nothing following it. |
| display remote ip enable | The incoming RING is followed by the IP address of the caller. |
| echo commands disable | Does not echo modem commands. |
| echo commands enable | Echoes modem commands. |
| echo pluses disable | Does not echo the +++ characters when entering modem command mode. |
| echo pluses enable | Echoes the +++ characters when entering modem command mode. |
| error unknown commands disable | Returns OK on unknown AT commands. |
| error unknown commands enable | Returns an error upon unknown AT commands. |
| exit | Returns to the tunnel level. |
| incoming connection automatic | Automatically answer incoming network connections. |
| incoming connection disabled | Disable incoming network connections. |
| incoming connection manual | Wait for an ATA command before answering an incoming network connection. |
| no connect string | Removes optional CONNECT string information for modem emulation. |
| reassert | Asserts tunnel modem status with current configured values. |
| response type numeric | Uses numeric type responses. |
| response type text | Uses text type responses. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel modem status. |
| verbose response disable | Does not send Modem Response Codes. |
| verbose response enable | Sends Modem Response Codes out on the Serial Line. |
| write | Stores the current configuration in permanent memory. |
| modem (tunnel-modem:2) level commands | |
| clrscrn | Clears the screen. |
| connect string <text> | Sets the CONNECT string used in modem emulation. <string> = connect string. |
| default incoming connection | Default disables incoming network connections. |
| default response type | Default uses text type responses. |
| display remote ip disable | The incoming RING has nothing following it. |
| display remote ip enable | The incoming RING is followed by the IP address of the caller. |
| echo commands disable | Does not echo modem commands. |
| echo commands enable | Echoes modem commands. |
| echo pluses disable | Does not echo the +++ characters when entering modem command mode. |
| echo pluses enable | Echoes the +++ characters when entering modem command mode. |
| error unknown commands disable | Returns OK on unknown AT commands. |
| error unknown commands enable | Returns an error upon unknown AT commands. |
| exit | Returns to the tunnel level. |
| incoming connection automatic | Automatically answer incoming network connections. |

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| incoming connection disabled | Disable incoming network connections. |
| incoming connection manual | Wait for an ATA command before answering an incoming network connection. |
| no connect string | Removes optional CONNECT string information for modem emulation. |
| reassert | Asserts tunnel modem status with current configured values. |
| response type numeric | Uses numeric type responses. |
| response type text | Uses text type responses. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel modem status. |
| verbose response disable | Does not send Modem Response Codes. |
| verbose response enable | Sends Modem Response Codes out on the Serial Line. |
| write | Stores the current configuration in permanent memory. |
| modem (tunnel-modem:1) level commands | |
| clrscrn | Clears the screen. |
| connect string <text> | Sets the CONNECT string used in modem emulation. <string> = connect string. |
| default incoming connection | Default disables incoming network connections. |
| default response type | Default uses text type responses. |
| display remote ip disable | The incoming RING has nothing following it. |
| display remote ip enable | The incoming RING is followed by the IP address of the caller. |
| echo commands disable | Does not echo modem commands. |
| echo commands enable | Echoes modem commands. |
| echo pluses disable | Does not echo the +++ characters when entering modem command mode. |
| echo pluses enable | Echoes the +++ characters when entering modem command mode. |
| error unknown commands disable | Returns OK on unknown AT commands. |
| error unknown commands enable | Returns an error upon unknown AT commands. |
| exit | Returns to the tunnel level. |
| incoming connection automatic | Automatically answer incoming network connections. |
| incoming connection disabled | Disable incoming network connections. |
| incoming connection manual | Wait for an ATA command before answering an incoming network connection. |
| no connect string | Removes optional CONNECT string information for modem emulation. |
| reassert | Asserts tunnel modem status with current configured values. |
| response type numeric | Uses numeric type responses. |
| response type text | Uses text type responses. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays tunnel modem status. |

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| verbose response disable | Does not send Modem Response Codes. |
| verbose response enable | Sends Modem Response Codes out on the Serial Line. |
| write | Stores the current configuration in permanent memory. |
| ntp (config-clock-ntp) level commands | |
| clrscrn | Clears the screen. |
| default server | Restores the default NTP server address. |
| exit | Exits to the next higher level. |
| server <text> | Sets the NTP server address. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| on scheduled reboot (config-action:on scheduled reboot) level commands | |
| clrscrn | Clears the screen. |
| default delay | Resets alarm processing delay to its default value. |
| delay <seconds> | Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time. |
| email | Enters the next lower level. |
| exit | Exits to the config alarm level. |
| ftp put | Enters the next lower level. |
| http post | Enters the next lower level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays statistics. |
| snmp trap | Enters the next lower level. |
| write | Stores the current configuration in permanent memory. |
| packing (tunnel-packing:3) level commands | |
| clrscrn | Clears the screen. |
| default packing mode | Sets to default packing mode, which is 'Disable' |
| default send character | Removes the send character for packing mode. |
| default threshold | Restores the default threshold. |
| default timeout | Restores the default packing mode timeout. |
| exit | Returns to the tunnel level. |
| no trailing character | Removes the trailing character for packing mode. |
| packing mode disable | Disables packing. Data is sent to the network when received. |
| packing mode send character | Sets packing mode to accumulate data and transmit it upon receiving the configured send character on the line (serial port). |
| packing mode timeout | Sets packing mode to accumulate data and transmit it after a specified amount of time (timeout). |
| send character <control> | Sets the send character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |

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| show history | Displays the last 20 commands entered during the current CLI session. |
| threshold <bytes> | Sets the threshold (byte count). If the queued data reaches this threshold then the data will be sent. <bytes> = number of bytes in the threshold. |
| timeout <milliseconds> | Sets the timeout value for packing mode in milliseconds. <milliseconds> = timeout value, in milliseconds. |
| trailing character <control> | Sets the trailing character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| write | Stores the current configuration in permanent memory. |
| packing (tunnel-packing:2) level commands | |
| clrscrn | Clears the screen. |
| default packing mode | Sets to default packing mode, which is 'Disable' |
| default send character | Removes the send character for packing mode. |
| default threshold | Restores the default threshold. |
| default timeout | Restores the default packing mode timeout. |
| exit | Returns to the tunnel level. |
| no trailing character | Removes the trailing character for packing mode. |
| packing mode disable | Disables packing. Data is sent to the network when received. |
| packing mode send character | Sets packing mode to accumulate data and transmit it upon receiving the configured send character on the line (serial port). |
| packing mode timeout | Sets packing mode to accumulate data and transmit it after a specified amount of time (timeout). |
| send character <control> | Sets the send character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| threshold <bytes> | Sets the threshold (byte count). If the queued data reaches this threshold then the data will be sent. <bytes> = number of bytes in the threshold. |
| timeout <milliseconds> | Sets the timeout value for packing mode in milliseconds. <milliseconds> = timeout value, in milliseconds. |
| trailing character <control> | Sets the trailing character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| write | Stores the current configuration in permanent memory. |
| packing (tunnel-packing:1) level commands | |
| clrscrn | Clears the screen. |
| default packing mode | Sets to default packing mode, which is 'Disable' |
| default send character | Removes the send character for packing mode. |

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| default threshold | Restores the default threshold. |
| default timeout | Restores the default packing mode timeout. |
| exit | Returns to the tunnel level. |
| no trailing character | Removes the trailing character for packing mode. |
| packing mode disable | Disables packing. Data is sent to the network when received. |
| packing mode send character | Sets packing mode to accumulate data and transmit it upon receiving the configured send character on the line (serial port). |
| packing mode timeout | Sets packing mode to accumulate data and transmit it after a specified amount of time (timeout). |
| send character <control> | Sets the send character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| threshold <bytes> | Sets the threshold (byte count). If the queued data reaches this threshold then the data will be sent. <bytes> = number of bytes in the threshold. |
| timeout <milliseconds> | Sets the timeout value for packing mode in milliseconds. <milliseconds> = timeout value, in milliseconds. |
| trailing character <control> | Sets the trailing character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| write | Stores the current configuration in permanent memory. |
| password (tunnel-accept-password:3) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no password | Removes the password so connections will be accepted unchallenged. |
| password <text> | Sets the password required on the network side of the tunnel to begin a connection. |
| prompt disable | Inhibits any prompting for password on the network side of the tunnel. |
| prompt enable | Sets up so a user on the network side of the tunnel will be prompted for a password. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| password (tunnel-accept-password:2) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no password | Removes the password so connections will be accepted unchallenged. |
| password <text> | Sets the password required on the network side of the |

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| | tunnel to begin a connection. |
| prompt disable | Inhibits any prompting for password on the network side of the tunnel. |
| prompt enable | Sets up so a user on the network side of the tunnel will be prompted for a password. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| password (tunnel-accept-password:1) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no password | Removes the password so connections will be accepted unchallenged. |
| password <text> | Sets the password required on the network side of the tunnel to begin a connection. |
| prompt disable | Inhibits any prompting for password on the network side of the tunnel. |
| prompt enable | Sets up so a user on the network side of the tunnel will be prompted for a password. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 1 (config-portforwarding:1) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |

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| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 2 (config-portforwarding:2) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 3 (config-portforwarding:3) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |

| | |
|--|---|
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 4 (config-portforwarding:4) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |

| | |
|--|---|
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 5 (config-portforwarding:5) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 6 (config-portforwarding:6) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |

| | |
|--|---|
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 7 (config-portforwarding:7) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |

| | |
|--|--|
| write | Stores the current configuration in permanent memory. |
| port forwarding rule 8 (config-portforwarding:8) level commands | |
| clrscrn | Clears the screen. |
| default protocol | Restores the default value of the protocol (Both). |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for port forwarding rule <text> = friendly name |
| ingress ip address <text> | Sets the original WAN destination IP address for port forwarding rule. |
| ip address <text> | Sets the LAN destination IP address for port forwarding rule. |
| no friendly name | Remove the friendly name. |
| no ingress ip address | Clears the original WAN destination IP address for port forwarding rule. |
| no ip address | Clears the LAN destination IP address for port forwarding rule. |
| no port or range | Clears the WAN port or range for port forwarding rule. |
| no target port | Clears the LAN destination port for port forwarding rule. |
| port forwarding rule <number> | Change to config gateway port forwarding level. |
| port or range <text> | Sets the WAN port or range for port forwarding rule. <text> = port or range. |
| protocol both | Sets the protocol to Both (TCP and UDP). |
| protocol tcp | Sets the protocol to TCP. |
| protocol udp | Sets the protocol to UDP. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the port forwarding rule. |
| state enable | Enables the port forwarding rule. |
| target port <text> | Sets the LAN destination port for port forwarding rule. <text> = port. |
| write | Stores the current configuration in permanent memory. |
| python 1 (config-applications-python:1) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| filename <text> | Sets the script path. |
| no filename | Clear the script path. |
| no output | Clear the script output path. |
| no parameters | Clear the script parameters. |
| onshutdown disable | Do not run the script on shutdown. |
| onshutdown enable | Run the script on shutdown. |
| onstart disable | Do not run the script on startup. |
| onstart enable | Run the script on startup. |
| output <text> | Sets the script output path. |
| parameters <text> | Sets the script parameters. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current |

| | |
|---|---|
| | CLI session. |
| state disable | Disables script. |
| state enable | Enables script. |
| write | Stores the current configuration in permanent memory. |
| python 2 (config-applications-python:2) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| filename <text> | Sets the script path. |
| no filename | Clear the script path. |
| no output | Clear the script output path. |
| no parameters | Clear the script parameters. |
| onshutdown disable | Do not run the script on shutdown. |
| onshutdown enable | Run the script on shutdown. |
| onstart disable | Do not run the script on startup. |
| onstart enable | Run the script on startup. |
| output <text> | Sets the script output path. |
| parameters <text> | Sets the script parameters. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables script. |
| state enable | Enables script. |
| write | Stores the current configuration in permanent memory. |
| python 3 (config-applications-python:3) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| filename <text> | Sets the script path. |
| no filename | Clear the script path. |
| no output | Clear the script output path. |
| no parameters | Clear the script parameters. |
| onshutdown disable | Do not run the script on shutdown. |
| onshutdown enable | Run the script on shutdown. |
| onstart disable | Do not run the script on startup. |
| onstart enable | Run the script on startup. |
| output <text> | Sets the script output path. |
| parameters <text> | Sets the script parameters. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables script. |
| state enable | Enables script. |
| write | Stores the current configuration in permanent memory. |
| python 4 (config-applications-python:4) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |

| | |
|--|---|
| filename <text> | Sets the script path. |
| no filename | Clear the script path. |
| no output | Clear the script output path. |
| no parameters | Clear the script parameters. |
| onshutdown disable | Do not run the script on shutdown. |
| onshutdown enable | Run the script on shutdown. |
| onstart disable | Do not run the script on startup. |
| onstart enable | Run the script on startup. |
| output <text> | Sets the script output path. |
| parameters <text> | Sets the script parameters. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables script. |
| state enable | Enables script. |
| write | Stores the current configuration in permanent memory. |
| qos (config-ethernet-qos:usb0) level commands | |
| clrscrn | Clears the screen. |
| default uplink data speed | Restores the default uplink speed. |
| exit | Exit back to interface configuration level |
| filter <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| import filters disable | Do not import QoS filters from other interfaces. |
| import filters enable | Import QoS filters from other interfaces. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays the current status |
| state disable | Disables QoS. |
| state enable | Enables QoS. |
| uplink data speed <floating point number> | Sets the maximum uplink speed in kbps. |
| write | Stores the current configuration in permanent memory. |
| qos (config-wlan-qos:wlan0) level commands | |
| clrscrn | Clears the screen. |
| default uplink data speed | Restores the default uplink speed. |
| exit | Exit back to interface configuration level |
| filter <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| import filters disable | Do not import QoS filters from other interfaces. |
| import filters enable | Import QoS filters from other interfaces. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays the current status |
| state disable | Disables QoS. |
| state enable | Enables QoS. |

| | |
|--|---|
| uplink data speed <floating point number> | Sets the maximum uplink speed in kbps. |
| write | Stores the current configuration in permanent memory. |
| qos (config-ethernet-qos:eth0) level commands | |
| clrscrn | Clears the screen. |
| default uplink data speed | Restores the default uplink speed. |
| exit | Exit back to interface configuration level |
| filter <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| import filters disable | Do not import QoS filters from other interfaces. |
| import filters enable | Import QoS filters from other interfaces. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays the current status |
| state disable | Disables QoS. |
| state enable | Enables QoS. |
| uplink data speed <floating point number> | Sets the maximum uplink speed in kbps. |
| write | Stores the current configuration in permanent memory. |
| reboot schedule (device-reboot-schedule) level commands | |
| clrscrn | Clears the screen. |
| default hours | Restores the default hour of day for reboot schedule time. |
| default interval | Restores the default schedule interval. |
| default minutes | Restores the default minutes on the hour for reboot schedule. |
| default schedule | Restores the default reboot schedule type. |
| default unit | Restores the default reboot schedule interval unit. |
| exit | Returns to the previous level. |
| hours <hours> | Sets the hour of day for reboot schedule (Use 24h time). |
| interval <number> | Sets the reboot schedule interval |
| minutes <minutes> | Sets the minutes on the hour for reboot schedule. |
| schedule daily | Sets the reboot schedule type to 'daily'. |
| schedule interval | Sets the reboot schedule type to 'interval'. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables scheduled reboots. |
| state enable | Enables scheduled reboots. |
| unit days | Sets the reboot schedule interval to days. |
| unit hours | Sets the reboot schedule interval to hours. |
| unit months | Sets the reboot schedule interval to months. |
| unit weeks | Sets the reboot schedule interval to weeks. |
| write | Stores the current configuration in permanent memory. |
| root level commands | |
| clrscrn | Clears the screen. |
| enable | Enters the enable level. |
| exit | Exit from the system |

| | |
|--|---|
| iperf <params> | Run iperf with command line parameters passed in quoted string. |
| ping <host> | Ping destination continuously with 5 second timeout |
| ping <host> <count> | Ping destination n times with 5 second timeout |
| ping <host> <count> <timeout> | Ping destination n times with x timeout (in seconds) |
| ping6 <host> | Ping destination continuously with 5 second timeout |
| ping6 <host> <count> | Ping destination n times with 5 second timeout |
| ping6 <host> <count> <timeout> | Ping destination n times with x timeout (in seconds) |
| show | Show system information |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show lines | Show line information |
| show routes | show system routing table |
| show rules | show system rules |
| tcpdump <parameters> | dump traffic on a network |
| trace route <host> | Trace route to destination |
| trace route <host> <protocol> | Trace route to destination using TCP, ICMP, or UDP |
| security (config-profile-security:lantronix_default_adhoc) level commands | |
| advanced | Switch to advanced level |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| basic | Switch to basic level |
| clrscrn | Clears the screen. |
| default key type | Restores the key type to the default value (passphrase). |
| default suite | Restores the security method (suite) to the default value (None). |
| exit | Exit to the profiles level |
| key type hex | Sets the key type to hex. |
| key type passphrase | Sets the key type to passphrase. |
| no passphrase | Removes the passphrase. |
| passphrase <text> | Sets the passphrase. Maximum 63 characters. <text> = put quotes around characters that make up the passphrase. Please refer to other equipment manuals to determine the recommended passphrase input style. NOTE: Lantronix recommends using a passphrase of 20 characters or more for maximum security. Spaces and punctuation characters are permitted. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| suite none | Sets the security suite to None. |
| suite wep | Sets the security suite to WEP. |
| suite wpa2-wpa mixed | Sets the security suite to WPA2/WPA Mixed Mode. |
| wep | Enters the next lower level. |
| wpax | Enters the next lower level. |
| write | Stores the current configuration in permanent memory. |
| serial (tunnel-serial:3) level commands | |

| | |
|--|---|
| clrscrn | Clears the screen. |
| default dtr | Restores default DTR control, asserted while connected. |
| dtr asserted while connected | Asserts DTR whenever a connect or accept mode tunnel connection is active. |
| dtr continuously asserted | Asserts DTR regardless of any connections. |
| dtr truport | Asserts DTR to match remote DSR when connected via Telnet. |
| dtr unasserted | Does not assert DTR. |
| exit | Returns to the tunnel level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| serial (tunnel-serial:2) level commands | |
| clrscrn | Clears the screen. |
| default dtr | Restores default DTR control, asserted while connected. |
| dtr asserted while connected | Asserts DTR whenever a connect or accept mode tunnel connection is active. |
| dtr continuously asserted | Asserts DTR regardless of any connections. |
| dtr truport | Asserts DTR to match remote DSR when connected via Telnet. |
| dtr unasserted | Does not assert DTR. |
| exit | Returns to the tunnel level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| serial (tunnel-serial:1) level commands | |
| clrscrn | Clears the screen. |
| default dtr | Restores default DTR control, asserted while connected. |
| dtr asserted while connected | Asserts DTR whenever a connect or accept mode tunnel connection is active. |
| dtr continuously asserted | Asserts DTR regardless of any connections. |
| dtr truport | Asserts DTR to match remote DSR when connected via Telnet. |
| dtr unasserted | Does not assert DTR. |
| exit | Returns to the tunnel level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| server (ssh-server) level commands | |
| authorized user <username> <password> | Sets authorized username, password, and optionally RSA and/or DSA public keys |
| clrscrn | Clears the screen. |
| delete all authorized users | Removes all authorized users |
| delete authorized user <username> | Remove an authorized user |

| | |
|--|--|
| exit | Exits to the ssh level. |
| host generate dsa 1024 | Generate DSA public and private keys |
| host generate dsa 2048 | Generate DSA public and private keys |
| host generate dsa 4096 | Generate DSA public and private keys |
| host generate dsa 512 | Generate DSA public and private keys |
| host generate dsa 768 | Generate DSA public and private keys |
| host generate rsa 1024 | Generate RSA public and private keys |
| host generate rsa 2048 | Generate RSA public and private keys |
| host generate rsa 4096 | Generate RSA public and private keys |
| host generate rsa 512 | Generate RSA public and private keys |
| host generate rsa 768 | Generate RSA public and private keys |
| host keys | Sets RSA or DSA public and/or private keys |
| no host dsa | Removes DSA public and private keys |
| no host rsa | Removes RSA public and private keys |
| show | Show SSH Server settings |
| show authorized user <username> | Show information for an authorized user |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show host dsa | Show full DSA public key |
| show host rsa | Show full RSA public key |
| write | Stores the current configuration in permanent memory. |
| smtp (config-smtp) level commands | |
| clrscrn | Clears the screen. |
| default server port | Restores the SMTP server port to its default. |
| exit | Exits to the configuration level. |
| from address <text> | Sets the From address for email alerts. <text> = email address to place in the From field of the email alert. |
| no from address | Removes the From address for email alerts. |
| no overriding domain | Removes the overriding domain name option. |
| no password | Removes the password. |
| no server address | Removes the SMTP server address. |
| no username | Removes the username. |
| overriding domain <text> | Sets a domain name that will be used when connecting to an SMTP server to send an email alert instead of the device domain name in EHLO. <text> = domain name to override the current domain name in EHLO. |
| password <text> | Sets the password for logging in to the mail server. |
| server address <text> | Sets an SMTP server address to direct all outbound email messages through a mail server. |
| server port <number> | Sets the SMTP server port. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the username for logging in to the mail server. |
| write | Stores the current configuration in permanent memory. |
| snmp (config-snmp) level commands | |
| clrscrn | Clears the screen. |

| | |
|---|---|
| exit | Returns to the config level. |
| no system location | Clears the SNMP system location. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays the SNMP agent status. |
| snmpd | Enters the next lower level. |
| system location <text> | Sets the SNMP system location. <text> = location of device. |
| traps | Enters the next lower level. |
| write | Stores the current configuration in permanent memory. |
| snmp trap (config-action-snmp_trap:wlan0 link state change) level commands | |
| alarm message <text> | Sets the message to be sent when the alarm turns on. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm message. |
| no normal message | Removes the normal message. |
| no reminder interval | Clears the SNMP Trap reminder interval. SNMP Trap is sent once only. |
| normal message <text> | Sets the message to be sent when the alarm turns off. |
| reminder interval <minutes> | Sets the SNMP Trap reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Does not send SNMP Trap. |
| state enable | Sends SNMP Trap when alarm condition is met. |
| write | Stores the current configuration in permanent memory. |
| snmp trap (config-action-snmp_trap:usb0 link state change) level commands | |
| alarm message <text> | Sets the message to be sent when the alarm turns on. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm message. |
| no normal message | Removes the normal message. |
| no reminder interval | Clears the SNMP Trap reminder interval. SNMP Trap is sent once only. |
| normal message <text> | Sets the message to be sent when the alarm turns off. |
| reminder interval <minutes> | Sets the SNMP Trap reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Does not send SNMP Trap. |
| state enable | Sends SNMP Trap when alarm condition is met. |
| write | Stores the current configuration in permanent memory. |
| snmp trap (config-action-snmp_trap:on scheduled reboot) level commands | |
| alarm message <text> | Sets the message to be sent when the alarm turns on. |
| clrscrn | Clears the screen. |

| | |
|--|---|
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm message. |
| no normal message | Removes the normal message. |
| no reminder interval | Clears the SNMP Trap reminder interval. SNMP Trap is sent once only. |
| normal message <text> | Sets the message to be sent when the alarm turns off. |
| reminder interval <minutes> | Sets the SNMP Trap reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Does not send SNMP Trap. |
| state enable | Sends SNMP Trap when alarm condition is met. |
| write | Stores the current configuration in permanent memory. |
| snmp trap (config-action-snmp_trap:eth0 link state change) level commands | |
| alarm message <text> | Sets the message to be sent when the alarm turns on. |
| clrscrn | Clears the screen. |
| exit | Exits to the next higher level. |
| no alarm message | Removes the alarm message. |
| no normal message | Removes the normal message. |
| no reminder interval | Clears the SNMP Trap reminder interval. SNMP Trap is sent once only. |
| normal message <text> | Sets the message to be sent when the alarm turns off. |
| reminder interval <minutes> | Sets the SNMP Trap reminder interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Does not send SNMP Trap. |
| state enable | Sends SNMP Trap when alarm condition is met. |
| write | Stores the current configuration in permanent memory. |
| snmpd (config-snmp-snmpd) level commands | |
| authentication password <text> | Sets password used for authentication for agent. |
| authentication protocol md5 | Uses MD5 for authentication for agent. |
| authentication protocol sha | Uses SHA for authentication for agent. |
| clrscrn | Clears the screen. |
| default authentication protocol | Restores to default SNMPv3 authentication method: MD5 for agent. |
| default privacy protocol | Restores to default SNMPv3 privacy encryption method: DES for agent. |
| default read community | Restores the SNMP read-only community to default: public |
| default security | Restores to default SNMPv3 security method: Authentication, No Privacy for agent. |
| default system description | Restores the SNMP system description to its default. |
| default system name | Restores the SNMP system name to default: the product name. |
| default version | Restores to default SNMP version v2c for agent. |
| default write community | Clears the SNMP read/write community to default: private |

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| exit | Exits to the next higher level. |
| no authentication password | Clears authentication password for agent. |
| no privacy password | Clears privacy password for agent. |
| no system contact | Clears the SNMP system contact. |
| no username | Clears SNMPv3 username for agent. |
| privacy password <text> | Sets password used for privacy encryption for agent. |
| privacy protocol aes | Uses AES for privacy encryption for agent. |
| privacy protocol des | Uses DES for privacy encryption for agent. |
| read community <text> | Sets the SNMP read-only community string. <text> = name of the read-only community string to be set. |
| security authentication and privacy | Authentication and Privacy for agent. |
| security authentication but no privacy | Authentication, No Privacy for agent. |
| security no authentication and no priv | No Authentication, No Privacy for agent. |
| show | Shows the current configuration. |
| show engine id | Displays the SNMP agent engine ID. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the SNMP agent. |
| state enable | Enables the SNMP agent. |
| system contact <text> | Sets the SNMP system contact information. <text> = system contact information. |
| system description <text> | Sets the SNMP system description. <text> = description of device. |
| system name <text> | Sets the SNMP system name. <text> = SNMP system name. |
| username <text> | Sets SNMPv3 username for agent. |
| version snmpv1 | Uses SNMPv1 for agent. |
| version snmpv2c | Uses SNMPv2c for agent. |
| version snmpv3 | Uses SNMPv3 for agent. |
| write | Stores the current configuration in permanent memory. |
| write community <text> | Sets the SNMP read-write community string. <text> = name of the read-write community string to be set. |
| ssh (ssh) level commands | |
| client | Enters the SSH Client configuration level. |
| clrscrn | Clears the screen. |
| exit | Exits to the enable level. |
| server | Enters the SSH Server configuration level. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| ssh (config-cli-ssh) level commands | |
| clrscrn | Clears the screen. |
| default max sessions | Restores the default maximum allowed concurrent incoming SSH sessions. |
| default port | Restores the default local port to the SSH server. |
| exit | Exits to the CLI level. |
| max sessions <number> | Sets the maximum allowed concurrent incoming SSH |

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| | sessions. <number> = number of sessions. |
| port <number> | Sets the local port that the SSH server uses. <number> = local port number. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Displays the SSH server statistics. |
| state disable | Disables the SSH Server. |
| state enable | Enables the SSH Server. |
| write | Stores the current configuration in permanent memory. |
| ssl (ssl) level commands | |
| clrscrn | Clears the screen. |
| credentials | Enters the SSL credentials configuration level. |
| delete csr | Delete generated CSR (Certificate Signing Request). |
| exit | Exits to the enable level. |
| generate csr | Generate a new CSR (Certificate Signing Request). |
| show history | Displays the last 20 commands entered during the current CLI session. |
| trusted authorities | Enters the SSL configuration level. |
| view csr | View generated CSR (Certificate Signing Request). |
| write | Stores the current configuration in permanent memory. |
| static leases 1 (config-dhcpd-static_leases:1) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 2 (config-dhcpd-static_leases:2) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as |

| | |
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| | 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 3 (config-dhcpd-static_leases:3) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 4 (config-dhcpd-static_leases:4) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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|--|---|
| | CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 5 (config-dhcpd-static_leases:5) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 6 (config-dhcpd-static_leases:6) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 7 (config-dhcpd-static_leases:7) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as |

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| | 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static leases 8 (config-dhcpd-static_leases:8) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-dhcpd level. |
| ip address <IP address> | Sets the reserved IP address. |
| ipv6 address <ipv6 address/prefix> | Sets the reserved IPv6 address. IPv6 addresses are written in eight groups of four hexadecimal digits separated by colons, such as 2001:0db8:85a3:0000:0000:8a2e:0370:7334 Network address ranges are written in CIDR notation. A network is denoted by the first address in the block (ending in all zeroes), a slash (/), and a decimal value equal to the size in bits of the prefix |
| no ip address | Clears the reserved IP address. |
| no ipv6 address | Clears the reserved IPv6 address. |
| no mac address | Removes the MAC Address. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| static leases <number> | Change to dhcpd static lease level. |
| write | Stores the current configuration in permanent memory. |
| static route 1 (config-staticroute:1) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |

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|---|---|
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 2 (config-staticroute:2) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 3 (config-staticroute:3) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |

| | |
|---|---|
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 4 (config-staticroute:4) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 5 (config-staticroute:5) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current |

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|---|---|
| | CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 6 (config-staticroute:6) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 7 (config-staticroute:7) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |

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|---|---|
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| static route 8 (config-staticroute:8) level commands | |
| clrscrn | Clears the screen. |
| default metric | Restores the metric to default value. |
| exit | Exits to the config-gateway level. |
| friendly name <text> | Set the friendly name for static route. <text> = friendly name |
| gateway <text> | Sets the gateway for static route network. |
| interface <text> | Sets the route interface <text> = interface name |
| metric <number> | Sets the metric for static route. <number> = metric |
| network <text> | Sets the IP address and network mask for static route network. |
| no friendly name | Remove the friendly name |
| no gateway | Clears the gateway for static route network. |
| no interface | Clears the route interface. The WAN interface is used if no interface is specified. |
| no network | Clears the IP address for static route network. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables the static route. |
| state enable | Enables the static route. |
| static route <number> | Change to config gateway static route level. |
| write | Stores the current configuration in permanent memory. |
| syslog (config-syslog) level commands | |
| clrscrn | Clears the screen. |
| default remote port | Restores the default syslog remote port. |
| default severity log level | Restores the default to no logging. |
| exit | Returns to the config level. |
| host <text> | Sets the address of the syslog recipient. <text> = IP address or name of the host. |
| no host | Removes the address of the syslog recipient. |
| remote port <number> | Sets the syslog remote port. <number> = number of the remote port used when making a syslog connection. |
| severity log level alert | Log only Alert and more severe events. |
| severity log level critical | Log only Critical and more severe events. |
| severity log level debug | Log all events. |
| severity log level emergency | Log only Emergency events. |
| severity log level error | Log only Error and more severe events. |
| severity log level information | Log only Information and more severe events. |
| severity log level none | No logging. |
| severity log level notice | Log only Notice and more severe events. |
| severity log level warning | Log only Warning and more severe events. |

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| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Displays the syslog statistics. |
| state disable | Disables syslog logging. |
| state enable | Enables syslog logging. |
| write | Stores the current configuration in permanent memory. |
| telnet (config-cli-telnet) level commands | |
| authentication disable | No password required for Telnet users. |
| authentication enable | Challenges the Telnet user with a password. |
| clrscrn | Clears the screen. |
| default max sessions | Restores the default maximum allowed concurrent incoming Telnet sessions. |
| default port | Restores the default local port to the Telnet server. |
| exit | Exits to the CLI level. |
| max sessions <number> | Sets the maximum allowed concurrent incoming Telnet sessions. <number> = number of sessions. |
| port <number> | Sets the local port that the Telnet server uses. <number> = local port number. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Displays the Telnet statistics. |
| state disable | Disables the Telnet Server. |
| state enable | Enables the Telnet Server. |
| write | Stores the current configuration in permanent memory. |
| terminal 1 (config-terminal:1) level commands | |
| break duration <milliseconds> | Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds. |
| clrscrn | Clears the screen. |
| default break duration | Restores the break duration to the default value (500 ms). |
| default terminal type | Sets the default terminal type, 'UNKNOWN'. |
| echo disable | Disables echoing of characters received on the line back to the line. |
| echo enable | Enables echoing of characters received on the line back to the line. |
| exit | Exits to the configuration level. |
| exit connect menu disable | On the login connect menu, removes the menu item allowing the user to exit to the CLI. |
| exit connect menu enable | On the login connect menu, inserts the menu item allowing the user to exit to the CLI. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| login connect menu disable | Disables the login connect menu, so a user will get the CLI immediately after logging in. |
| login connect menu enable | Enables the login connect menu, so a user will get the menu rather than the CLI immediately after logging in. |
| no send break | Removes the configured send break character. |

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| preview connect menu | Shows the layout of the connect menu with current settings. |
| send break <control> | Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| terminal type <text> | Sets the terminal type. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| terminal 2 (config-terminal:2) level commands | |
| break duration <milliseconds> | Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds. |
| clrscrn | Clears the screen. |
| default break duration | Restores the break duration to the default value (500 ms). |
| default terminal type | Sets the default terminal type, 'UNKNOWN'. |
| echo disable | Disables echoing of characters received on the line back to the line. |
| echo enable | Enables echoing of characters received on the line back to the line. |
| exit | Exits to the configuration level. |
| exit connect menu disable | On the login connect menu, removes the menu item allowing the user to exit to the CLI. |
| exit connect menu enable | On the login connect menu, inserts the menu item allowing the user to exit to the CLI. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| login connect menu disable | Disables the login connect menu, so a user will get the CLI immediately after logging in. |
| login connect menu enable | Enables the login connect menu, so a user will get the menu rather than the CLI immediately after logging in. |
| no send break | Removes the configured send break character. |
| preview connect menu | Shows the layout of the connect menu with current settings. |
| send break <control> | Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |

| | |
|--|---|
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| terminal type <text> | Sets the terminal type. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| terminal 3 (config-terminal:3) level commands | |
| break duration <milliseconds> | Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds. |
| clrscrn | Clears the screen. |
| default break duration | Restores the break duration to the default value (500 ms). |
| default terminal type | Sets the default terminal type, 'UNKNOWN'. |
| echo disable | Disables echoing of characters received on the line back to the line. |
| echo enable | Enables echoing of characters received on the line back to the line. |
| exit | Exits to the configuration level. |
| exit connect menu disable | On the login connect menu, removes the menu item allowing the user to exit to the CLI. |
| exit connect menu enable | On the login connect menu, inserts the menu item allowing the user to exit to the CLI. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| login connect menu disable | Disables the login connect menu, so a user will get the CLI immediately after logging in. |
| login connect menu enable | Enables the login connect menu, so a user will get the menu rather than the CLI immediately after logging in. |
| no send break | Removes the configured send break character. |
| preview connect menu | Shows the layout of the connect menu with current settings. |
| send break <control> | Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| terminal type <text> | Sets the terminal type. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |

| terminal network (config-terminal:network) level commands | |
|--|---|
| break duration <milliseconds> | Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds. |
| clrscrn | Clears the screen. |
| default break duration | Restores the break duration to the default value (500 ms). |
| default terminal type | Sets the default terminal type, 'UNKNOWN'. |
| echo disable | Disables echoing of characters received on the line back to the line. |
| echo enable | Enables echoing of characters received on the line back to the line. |
| exit | Exits to the configuration level. |
| exit connect menu disable | On the login connect menu, removes the menu item allowing the user to exit to the CLI. |
| exit connect menu enable | On the login connect menu, inserts the menu item allowing the user to exit to the CLI. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| login connect menu disable | Disables the login connect menu, so a user will get the CLI immediately after logging in. |
| login connect menu enable | Enables the login connect menu, so a user will get the menu rather than the CLI immediately after logging in. |
| no send break | Removes the configured send break character. |
| preview connect menu | Shows the layout of the connect menu with current settings. |
| send break <control> | Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| terminal type <text> | Sets the terminal type. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| traps (config-snmp-traps) level commands | |
| authentication password <text> | Sets password used for authentication for traps. |
| authentication protocol md5 | Uses MD5 for authentication for traps. |
| authentication protocol sha | Uses SHA for authentication for traps. |
| clrscrn | Clears the screen. |
| community <text> | Sets the SNMP trap community string. <text> = name of the trap community string to be set. |
| default authentication protocol | Restores to default SNMPv3 authentication method: MD5 for traps. |

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| default community | Restores the SNMP trap community to default: public |
| default privacy protocol | Restores to default SNMPv3 privacy encryption method: DES for traps. |
| default security | Restores to default SNMPv3 security method: Authentication, No Privacy for traps. |
| default version | Restores to default SNMP version v2c for traps. |
| exit | Exits to the next higher level. |
| no authentication password | Clears authentication password for traps. |
| no primary destination | Deletes the primary SNMP trap host. |
| no privacy password | Clears privacy password for traps. |
| no secondary destination | Deletes the secondary SNMP trap host. |
| no username | Clears SNMPv3 username for traps. |
| primary destination <text> | Sets the primary SNMP trap host. <text> = IP address or hostname of SNMP trap receiver. |
| privacy password <text> | Sets password used for privacy encryption for traps. |
| privacy protocol aes | Uses AES for privacy encryption for traps. |
| privacy protocol des | Uses DES for privacy encryption for traps. |
| secondary destination <text> | Sets the secondary SNMP trap host. <text> = IP address or hostname of SNMP trap receiver. |
| security authentication and privacy | Authentication and Privacy for traps. |
| security authentication but no privacy | Authentication, No Privacy for traps. |
| security no authentication and no priv | No Authentication, No Privacy for traps. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets SNMPv3 username for traps. |
| version snmpv1 | Uses SNMPv1 for traps. |
| version snmpv2c | Uses SNMPv2c for traps. |
| version snmpv3 | Uses SNMPv3 for traps. |
| write | Stores the current configuration in permanent memory. |
| trusted authorities (ssl-auth) level commands | |
| add | Adds an Authority Certificate. |
| clrscrn | Clears the screen. |
| exit | Exits to the ssl level. |
| no intermediate authority <cert> | Removes an Intermediate Authority Certificate. <cert> = index displayed by "show authority" command. |
| no trusted authority <cert> | Removes a Trusted Authority Certificate. <cert> = index displayed by "show authority" command. |
| show | Displays Authority Certificate Information. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| tunnel 1 (tunnel:1) level commands | |
| accept | Enters the accept level for this tunnel. |
| auto show statistics | show connection statistics |
| clear counters | Zeros all tunnel counters |
| clrscrn | Clears the screen. |

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|---|---|
| connect | Enters the connect level for this tunnel. |
| disconnect | Enters the disconnect level for this tunnel. |
| exit | Exits to the enable level. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| modem | Enters the modem level for this tunnel. |
| no clear counters | Unzeros all tunnel counters |
| packing | Enters the packing level for this tunnel. |
| serial | Enters the serial level for this tunnel. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| tunnel 2 (tunnel:2) level commands | |
| accept | Enters the accept level for this tunnel. |
| auto show statistics | show connection statistics |
| clear counters | Zeros all tunnel counters |
| clrscrn | Clears the screen. |
| connect | Enters the connect level for this tunnel. |
| disconnect | Enters the disconnect level for this tunnel. |
| exit | Exits to the enable level. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| modem | Enters the modem level for this tunnel. |
| no clear counters | Unzeros all tunnel counters |
| packing | Enters the packing level for this tunnel. |
| serial | Enters the serial level for this tunnel. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| tunnel 3 (tunnel:3) level commands | |
| accept | Enters the accept level for this tunnel. |

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|--|---|
| auto show statistics | show connection statistics |
| clear counters | Zeros all tunnel counters |
| clrscrn | Clears the screen. |
| connect | Enters the connect level for this tunnel. |
| disconnect | Enters the disconnect level for this tunnel. |
| exit | Exits to the enable level. |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| modem | Enters the modem level for this tunnel. |
| no clear counters | Unzeros all tunnel counters |
| packing | Enters the packing level for this tunnel. |
| serial | Enters the serial level for this tunnel. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | show connection statistics |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| unreachable host detection (config-vpn-unreachable_host_detection:1) level commands | |
| clrscrn | Clears the screen. |
| default max tries | Restores the default connection error threshold. |
| default ping interval | Restores the default ping interval. |
| exit | Exits to the next higher level. |
| host <text> | Sets the host name. <text> = host name to Ping. |
| max tries <number> | Sets the connection error threshold. If <pings> attempts go unanswered, the device will restart the VPN connection. |
| no host | Clears the host name. |
| ping interval <minutes> | Sets the ping interval. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| usb 1 (usb-line:1) level commands | |
| auto show statistics | Continuously displays line statistics. |
| clear line counters | Sets the serial counters to zero. |
| clrscrn | Clears the screen. |
| command mode always | Sets the current line to always be in command mode. |
| command mode echo serial string disable | Disables user-defined serial boot string to be echoed in the CLI. |
| command mode echo serial string enable | Enables user-defined serial boot string to be echoed in the CLI. |

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| command mode serial string | Enables user to enter a custom string at boot time to enter command mode. |
| command mode serial string <string> | Sets a string that can be entered at boot time to enter command mode. <string> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. Within {} specify decimal milliseconds time delay. |
| command mode signon message <string> | Sets a sign-on message that is sent from the serial port when the device boots and when the line is in command mode. <string> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. |
| command mode wait time <milliseconds> | Sets boot-up wait time for command mode serial string. <milliseconds> = wait time. |
| default line mode | Restores the default usb line mode. |
| default threshold | Restores the factory default threshold. |
| exit | Exits to the enable level |
| gap timer <milliseconds> | Sets the gap timer in milliseconds. If some data has been received, it will be forwarded after this time since the last character. |
| interface usb-cdc-acm | Sets the usb line interface to USB-CDC-ACM. |
| kill session | Kills command mode session on the Line |
| line <line> | Enters the line level. <line> = number of the line (serial port) to be configured. |
| line mode ethernet device | Sets the usb line to ethernet device mode. |
| line mode host | Sets the usb line to host mode. |
| line mode serial device | Sets the usb line to serial device mode. |
| name <text> | Sets the name for this usb line. |
| no clear line counters | Restores the serial counters to the aggregate values. |
| no command mode | Disables command mode for the current line. |
| no command mode signon message | Clears the signon message displayed at boot time and when entering command mode. |
| no gap timer | Removes the gap timer, so forwarding depends on the usb line speed. |
| no name | Removes the name of this usb line. |
| protocol none | Uses no protocol on the usb line. |
| protocol tunnel | Applies Modbus RTU protocol on the usb line. |
| show | Displays the current status. |
| show command mode | Shows the command mode settings for the current line. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show statistics | Shows the line statistics. |
| show usb line | Displays the current configuration. |
| state disable | Disables the usb line so data cannot be sent/received. |
| state enable | Enables the usb line so data can be sent/received. |
| terminal <line> | Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured. |
| terminal network | Enters the configure-terminal level for the network. |
| threshold <bytes> | Sets the threshold in bytes. After this many bytes are received, they are forwarded without delay. |

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| tunnel <line> | Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured. |
| usb <line> | Enters the usb level. <line> = number of the line (usb port) to be configured. |
| write | Stores the current configuration in permanent memory. |
| usb0 link state change (config-action:usb0 link state change) level commands | |
| clrscrn | Clears the screen. |
| default delay | Resets alarm processing delay to its default value. |
| delay <seconds> | Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time. |
| email | Enters the next lower level. |
| exit | Exits to the config alarm level. |
| ftp put | Enters the next lower level. |
| http post | Enters the next lower level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays statistics. |
| snmp trap | Enters the next lower level. |
| write | Stores the current configuration in permanent memory. |
| user management (config-user-management) level commands | |
| admin password <text> | Sets the CLI login password. |
| clrscrn | Clears the screen. |
| default admin password | Restores the default CLI login password. |
| exit | Exits to the configuration level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| virtual ip 1 (config-virtual-interface:1) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-gateway level. |
| ip address <text> | Sets the Virtual IP address. |
| lan ip address <text> | Sets the LAN IP address. |
| name <text> | Sets the name. <text> = name. |
| no ip address | Clears the Virtual IP address. |
| no lan ip address | Clears the LAN IP address. |
| no name | Clears the name. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables Virtual IP instance. |
| state enable | Enables Virtual IP instance. |
| write | Stores the current configuration in permanent memory. |
| virtual ip 2 (config-virtual-interface:2) level commands | |
| clrscrn | Clears the screen. |

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| exit | Exits to the config-gateway level. |
| ip address <text> | Sets the Virtual IP address. |
| lan ip address <text> | Sets the LAN IP address. |
| name <text> | Sets the name. <text> = name. |
| no ip address | Clears the Virtual IP address. |
| no lan ip address | Clears the LAN IP address. |
| no name | Clears the name. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables Virtual IP instance. |
| state enable | Enables Virtual IP instance. |
| write | Stores the current configuration in permanent memory. |
| virtual ip 3 (config-virtual-interface:3) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the config-gateway level. |
| ip address <text> | Sets the Virtual IP address. |
| lan ip address <text> | Sets the LAN IP address. |
| name <text> | Sets the name. <text> = name. |
| no ip address | Clears the Virtual IP address. |
| no lan ip address | Clears the LAN IP address. |
| no name | Clears the name. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| state disable | Disables Virtual IP instance. |
| state enable | Enables Virtual IP instance. |
| write | Stores the current configuration in permanent memory. |
| vpn 1 (config-vpn:1) level commands | |
| aggressive mode disable | Disables aggressive mode. |
| aggressive mode enable | Enables aggressive mode. |
| authentication mode psk | Sets the authentication mode to PSK. |
| authentication mode rsa | Sets the authentication mode to RSA. |
| authentication mode xauth | Sets the authentication mode to XAUTH. |
| clrscrn | Clears the screen. |
| connection name <text> | Sets the name. <text> = name. |
| connection type host to host | Sets the connection type to Host to Host. |
| connection type host to subnet | Sets the connection type to Host to Subnet. |
| create new local rsa key | Create new Local RSA key |
| default authentication mode | Restores the default authentication mode. |
| default connection type | Restores the default connection type. |
| default esp authentication | Restores the default ESP authentication. |
| default esp dh group | Restores the default ESP DH Group. |
| default esp encryption | Restores the default ESP encryption. |
| default ike authentication | Restores the default IKE authentication. |

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| default ike dh group | Restores the default IKE DH Group. |
| default ike encryption | Restores the default IKE encryption. |
| default ike life time | Restores the default IKE lifetime. |
| default interface | Restores the default interface. |
| default local key length | Restores the default local RSA key length. |
| default remote peer type | Restores the default remote peer type. |
| default sa life time | Restores the default SA lifetime. |
| default type | Restores the default transport type. |
| esp authentication any | Sets ESP authentication to any. |
| esp authentication md5 | Sets ESP authentication to MD5. |
| esp authentication sha1 | Sets ESP authentication to SHA1. |
| esp dh group any | Sets ESP DH Group to any. |
| esp dh group dh2 | Sets ESP DH Group to DH2. |
| esp dh group dh5 | Sets ESP DH Group to DH5. |
| esp encryption 3des | Sets ESP encryption to 3DES. |
| esp encryption aes128 | Sets ESP encryption to AES-128. |
| esp encryption aes256 | Sets ESP encryption to AES-256. |
| esp encryption any | Sets ESP encryption to any. |
| exit | Exits to the config level. |
| ike authentication any | Sets IKE authentication to any. |
| ike authentication md5 | Sets IKE authentication to MD5. |
| ike authentication sha1 | Sets IKE authentication to SHA1. |
| ike dh group any | Sets IKE DH Group to any. |
| ike dh group dh2 | Sets IKE DH Group to DH2. |
| ike dh group dh5 | Sets IKE DH Group to DH5. |
| ike encryption 3des | Sets IKE encryption to 3DES. |
| ike encryption aes128 | Sets IKE encryption to AES-128. |
| ike encryption aes256 | Sets IKE encryption to AES-256. |
| ike encryption any | Sets IKE encryption to any. |
| ike life time <hours> | Sets the IKE lifetime. |
| interface <text> | Sets the interface. <text> = interface. |
| local id <text> | Sets the local id. <text> = local id. |
| local key length <bits> | Sets the local RSA key length. |
| local next hop <text> | Sets the local next hop. <text> = local next hop. |
| local subnet <text> | Sets the local subnet. <text> = local subnet. |
| mode configuration disable | Disables mode configuration. |
| mode configuration enable | Enables mode configuration. |
| nat traversal disable | Disables NAT traversal. |
| nat traversal enable | Enables NAT traversal. |
| no connection name | Clears the name. |
| no local id | Clears the local id. |
| no local next hop | Clears the local next hop. |
| no local subnet | Clears the local subnet. |
| no password | Clears the password. |
| no psk | Clears the pre shared key. |

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| no remote endpoint | Clears the remote end point. |
| no remote id | Clears the remote id. |
| no remote key | Clears the remote key. |
| no remote next hop | Clears the remote next hop. |
| no remote rsa key | Clears the remote RSA key. |
| no remote subnet | Clears the remote subnets. |
| no username | Clears the username. |
| password <text> | Sets the password. <text> = password. |
| perfect forward secrecy disable | Disables perfect forward secrecy (PFS). |
| perfect forward secrecy enable | Enables perfect forward secrecy (PFS). |
| psk <text> | Sets the pre shared key (PSK). <text> = pre shared key. |
| remote endpoint <text> | Sets the remote end point. <text> = remote end point. |
| remote id <text> | Sets the remote id. <text> = remote id. |
| remote key <text> | Sets the remote key. <text> = remote key. |
| remote next hop <text> | Sets the remote next hop. <text> = remote next hop. |
| remote peer type cisco | Sets the remote peer type to cisco. |
| remote peer type ietf | Sets the remote peer type to ietf. |
| remote rsa key <text> | Sets the remote RSA key. <text> = remote RSA key. |
| remote subnet <text> | Sets the remote subnets. <text> = remote subnets. |
| sa life time <hours> | Sets the SA lifetime. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show local rsa key | Show Local RSA key |
| show logs | Show logs |
| show status | Show VPN status |
| state disable | Disables VPN tunnel. |
| state enable | Enables VPN tunnel. |
| type transport | Sets the transport type to transport. |
| type tunnel | Sets the transport type to tunnel. |
| unreachable host detection | Enters the next lower level. |
| username <text> | Sets the username. <text> = username. |
| vpn <instance> | Change to vpn level. |
| write | Stores the current configuration in permanent memory. |
| wep (config-profile-security-wep:lantronix_default_adhoc) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| authentication open | Sets the type of authentication to open. |
| authentication shared | Sets the type of authentication to shared. |
| clrscrn | Clears the screen. |
| default authentication | Restores the authentication type to the default value (open). |
| default key size | Restores the key size to the default value (40 bits). |
| default tx key index | Restores the tx key index to the default value (1). |
| exit | Exits to the next higher level. |

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| key <instance> | Enters the next lower level. Specify the instance for the next lower level. |
| key size 104 | Sets the key size to 104 bits. |
| key size 40 | Sets the key size to 40 bits. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| tx key index 1 | Selects key 1 for transmission encryption. |
| tx key index 2 | Selects key 2 for transmission encryption. |
| tx key index 3 | Selects key 3 for transmission encryption. |
| tx key index 4 | Selects key 4 for transmission encryption. |
| write | Stores the current configuration in permanent memory. |
| wlan profiles (config-profiles) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| clrscrn | Clears the screen. |
| create <profile name> | Create a new profile name |
| delete <profile name> | Delete existing profile by name |
| edit <profile name> | View or edit an existing profile |
| exit | Exits to the config level. |
| show | Show existing profile names |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| wlan0 link state change (config-action:wlan0 link state change) level commands | |
| clrscrn | Clears the screen. |
| default delay | Resets alarm processing delay to its default value. |
| delay <seconds> | Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time. |
| email | Enters the next lower level. |
| exit | Exits to the config alarm level. |
| ftp put | Enters the next lower level. |
| http post | Enters the next lower level. |
| show | Displays the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| show status | Displays statistics. |
| snmp trap | Enters the next lower level. |
| write | Stores the current configuration in permanent memory. |
| wpax (config-profile-security-wpax:lantronix_default_adhoc) level commands | |
| apply wlan | Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings. |
| authentication 802.1x | Sets the authentication method to IEEE 802.1x. |
| authentication psk | Sets the authentication method to PSK. |
| clrscrn | Clears the screen. |

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| credentials <text> | Selects the RSA certificate by configured name. |
| default authentication | Restores the authentication method to the default value (PSK). |
| default eap-ttls option | Restores the eap-ttls protocol options to the default (EAP-MSCHAP V2). |
| default fast option | Restores the FAST authentication protocol option to the default (MD5). |
| default fast provisioning | Restores the FAST provisioning to the default (Authenticated). |
| default ieee 802.1x | Restores the default IEEE 802.1x protocol, EAP-TTLS. |
| default peap option | Restores the PEAP authentication protocol options to the default (EAP-MSCHAP V2). |
| default pmf | Restores PMF to the default value (Disabled). |
| eap-ttls option chap | Sets the EAP-TTLS authentication protocol option to CHAP. |
| eap-ttls option eap-md5 | Sets the EAP-TTLS authentication protocol option to EAP-MD5. |
| eap-ttls option eap-mschapv2 | Sets the EAP-TTLS authentication protocol option to EAP-MSCHAP V2. |
| eap-ttls option mschap | Sets the EAP-TTLS authentication protocol option to MSCHAP. |
| eap-ttls option mschapv2 | Sets the EAP-TTLS authentication protocol option to MSCHAP V2. |
| eap-ttls option pap | Sets the EAP-TTLS authentication protocol option to PAP. |
| exit | Exits to the next higher level. |
| fast option gtc | Sets the FAST authentication protocol option to GTC. |
| fast option md5 | Sets the FAST authentication protocol option to MD5. |
| fast option mschapv2 | Sets the FAST authentication protocol option to MSCHAPv2. |
| fast provisioning authenticated | Sets the FAST provisioning option to Authenticated. |
| fast provisioning both | Sets the FAST provisioning option to Both. |
| fast provisioning unauthenticated | Sets the FAST provisioning option to Unauthenticated. |
| ieee 802.1x eap-tls | Sets the IEEE 802.1x protocol to EAP-TLS. |
| ieee 802.1x eap-ttls | Sets the IEEE 802.1x protocol to EAP-TTLS. |
| ieee 802.1x fast | Sets the IEEE 802.1x protocol to FAST. |
| ieee 802.1x leap | Sets the IEEE 802.1x protocol to LEAP. |
| ieee 802.1x peap | Sets the IEEE 802.1x protocol to PEAP. |
| inner credentials <text> | Selects the RSA certificate by configured name. |
| key <hexadecimal> | Sets WPAX key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces. |
| key text <text> | Sets WPAX key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces. |
| no credentials | Clears the RSA certificate name. |
| no inner credentials | Clears the RSA certificate name. |
| no key | Removes WPAX key. |

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|---------------------------------|--|
| no password | Clears the password. |
| no username | Clears the user name. |
| password <text> | Sets the value for the password. <text> = put quotes around the characters (max 63). |
| peap option eap-md5 | Sets the PEAP authentication protocol option to EAP-MD5. |
| peap option eap-mschapv2 | Sets the PEAP authentication protocol option to EAP-MSCHAP V2. |
| peap option eap-tls | Sets the PEAP authentication protocol option to EAP-TLS. |
| pmf disabled | Disables PMF. |
| pmf optional | Makes PMF optional. |
| pmf required | Makes PMF required. |
| show | Shows the current configuration. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| username <text> | Sets the value of the username. <text> = value in characters (max 63). |
| validate certificate disable | Server certificate will not be verified. |
| validate certificate enable | Server certificate will be verified. |
| write | Stores the current configuration in permanent memory. |
| xml (xml) level commands | |
| clrscrn | Clears the screen. |
| exit | Exits to the enable level. |
| show history | Displays the last 20 commands entered during the current CLI session. |
| write | Stores the current configuration in permanent memory. |
| xcr dump | Dump XML configuration to the console |
| xcr dump <group list> | Dump specified XML configuration to the console |
| xcr export <file> | Save XML configuration to a file |
| xcr export <file> <group list> | Save specified XML configuration to a local file |
| xcr import <file> | Load XML configuration from a local file |
| xcr import <file> <group list> | Load specified XML configuration from a local file |
| xcr list | List XML Configuration Record groups to the console |
| xsr dump | Dump XML Status Records to the console |
| xsr dump <group list> | Dump specified XML Status Records to the console |
| xsr export <file> | Save XML Status Record to a file |
| xsr export <file> <group list> | Save specified XML Status Record to a local file |
| xsr list | List XML Status Record groups to the console |