
Chapter 4

User EXEC Commands

appletalk-ping

Verifies connectivity to an AppleTalk network and node.

EXAMPLE:

To verify connectivity to node 50 on network 100, enter the following:

```
HP9300> appletalk-ping 100.50
```

Syntax: appletalk-ping <network.node>

Possible values: N/A

Default value: N/A

enable

At initial startup, you enter this command to access the privileged EXEC level of the CLI. You access subsequent levels of the CLI using the proper launch commands.

You can assign a permanent password with the **enable password...** command at the global level of the CONFIG command structure. To reach the global level, enter **configure terminal**. Until a password is assigned, you have access only to the user EXEC level.

EXAMPLE:

```
HP9300> enable
```

Syntax: enable

Possible values: N/A

Default value: No system default

enable <password>

Once an Enable password is defined for the device, you must enter this command along with the defined

EXAMPLE:

```
HP9300> en whatever
```

```
HP9300#
```

Syntax: enable <password>

Possible values: N/A

Default value: N/A

enable <username> <password>

If local access control, RADIUS authentication, or TACACS/TACACS+ authentication is configured on the device, you need to enter a user name and password to access the Privileged EXEC level.

EXAMPLE:

```
HP9300> en jperlas whatever
HP9300#
```

Syntax: enable <username> <password>

Possible values: a valid username and password for the authentication method used by the device

Default value: N/A

fastboot

By default, this option is turned off, to provide a three-second pause to allow you to break into the boot prompt, if necessary. Use **fastboot on** to turn this option on and eliminate the three-second pause. To turn this feature off later, enter the command, **fastboot off**. Fastboot changes will be saved automatically but will not become active until after a system reset.

To execute an immediate reload of the boot code from the console without a three-second delay, enter the **fast reload** command. The **fast reload** command is available at the privileged EXEC level.

EXAMPLE:

```
HP9300> fastboot on
```

Syntax: fastboot on | off

Possible values: N/A

ping

Verifies connectivity to an HP switch or routing switch or other device. The command performs an ICMP echo test to confirm connectivity to the specified device.

NOTE: If you address the ping to the IP broadcast address, the device lists the lists the first four responses to the ping.

EXAMPLE:

```
HP9300> ping 192.22.2.33
```

Syntax: ping <ip-addr> | <hostname> [count <num>] [timeout <msec>] [ttl <num>] [size <byte>] [no-fragment] [quiet] [verify] [data <1 – 4 byte hex>]

The only required parameter is the IP address or host name of the device.

NOTE: If the device is an HP switch or routing switch, you can use the host name only if you have already enabled the Domain Name Server (DNS) resolver feature on the device from which you are sending the ping. See the “Configuring Basic Features” chapter of the *Installation and Getting Started Guide*.

The **count** <num> parameter specifies how many ping packets the device sends. You can specify from 1 – 4294967296. The default is 1.

The **timeout** <msec> parameter specifies how many milliseconds the HP device waits for a reply from the pinged device. You can specify a timeout from 1 – 4294967296 milliseconds. The default is 5000 (5 seconds).

The **ttl** <num> parameter specifies the maximum number of hops. You can specify a TTL from 1 – 255. The default is 64.

The **size** <byte> parameter specifies the size of the ICMP data portion of the packet. This is the payload and does not include the header. You can specify from 0 – 4000. The default is 16.

The **no-fragment** parameter turns on the “don't fragment” bit in the IP header of the ping packet. This option is disabled by default.

The **quiet** parameter hides informational messages such as a summary of the ping parameters sent to the device and instead only displays messages indicating the success or failure of the ping. This option is disabled by default.

The **verify** parameter verifies that the data in the echo packet (the reply packet) is the same as the data in the echo request (the ping). By default the device does not verify the data.

The **data** <1 – 4 byte hex> parameter lets you specify a specific data pattern for the payload instead of the default data pattern, “abcd”, in the packet's data payload. The pattern repeats itself throughout the ICMP message (payload) portion of the packet.

NOTE: For numeric parameter values, the CLI does not check that the value you enter is within the allowed range. Instead, if you do exceed the range for a numeric value, the software rounds the value to the nearest valid value.

Possible values: see above

Default value: see above

show

Displays a variety of configuration and statistical information about the switch or router. See “Show Commands” on page 20-1.

stop-traceroute

Stops an initiated trace on an HP switch or router.

EXAMPLE:

```
HP9300> stop-traceroute
```

Syntax: stop-traceroute

Possible values: N/A

Default value: N/A

traceroute

Allows you to trace the path from the current HP switch or router to a host address.

The CLI displays trace route information for each hop as soon as the information is received. Traceroute requests display all responses to a given TTL. In addition, if there are multiple equal-cost routes to the destination, the HP device displays up to three responses by default.

EXAMPLE:

```
HP9300> traceroute 192.33.4.7 minttl 5 maxttl 5 timeout 5
```

Syntax: traceroute <host IP address> [minttl <value>] [maxttl <value>] [timeout <value>] [no-name]

Possible and default values:

minttl – minimum TTL (hops) value: Possible values are 1 – 255. Default value is 1 second.

maxttl – maximum TTL (hops) value: Possible values are 1 – 255. Default value is 30 seconds.

timeout – Possible values are 1 – 120. Default value is 2 seconds.

no-name – Lets you change the display to list the devices by their IP addresses instead of their names.

