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Chapter 1 HWPing Commands

1.1 HWPing Commands

1.1.1 count

Syntax

count *times*

undo count

View

HWPing test group view

Parameter

times: Number of the test packets to be transmitted. It is in the range 1 to 15 and defaults to 1.

Description

Using the **count** command, you can configure the number of packets to be sent for each test. Using the **undo count** command, you can restore the default.

A test timer is started when the system sends the first test packet. In the event that the *times* argument is set greater than one, the system continues to send the second one upon receipt of the reply to the first one. If receiving no reply upon expiry of the timer, the system sends the second and all the remaining packets likewise.

Example

Send ten packets for each test.

```
[Quidway-hwping-administrator-icmp] count 10
```

1.1.2 destination-ip

Syntax

destination-ip *ip-address*

undo destination-ip

View

HWPing test group view

Parameter

ip-address: Destination IP address in a test.

Description

Using the **destination-ip** command, you can configure the destination IP address in the test. Using the **undo destination-ip** command, you can delete the configured destination IP address.

By default, no destination IP address is configured for any test.

Example

```
# Set the destination IP address in the test to 169.254.10.3.
```

```
[Quidway-hwping-administrator-icmp] destination-ip 169.254.10.3
```

1.1.3 display hwping

Syntax

```
display hwping { result | history } [ administrator-name operation-tag ]
```

View

Any view

Parameter

result: Displays the test result.

history: Displays the test history.

administrator-name: Name of the administrator creating the test.

operation-tag: Test operation tag.

Description

Using the **display hwping** command, you can view test result(s).

If a test group is specified using the arguments of *administrator-name* and *test-operation-tag*, the system displays only the test result of the group; if not, it displays the test results of all the test groups.

For the related command, see **test-enable**.

Example

```
# Display the test result of the test group whose administrator name is "administrator" and operation tag is "icmp".
```

```
<Quidway> display hwping result administrator icmp
```

1.1.4 frequency

Syntax

frequency *interval*

undo frequency

View

HWPing test group view

Parameter

interval: Automatic test interval. It is in the range 0 to 65535 seconds and defaults to 0 meaning no automatic test.

Description

Using the **frequency** command, you can configure an automatic test interval. Using the **undo frequency** command, you can disable automatic test.

The system automatically tests at intervals specified by this command, where the argument *interval* is greater than 0.

For the related command, see **count**.

Example

Set the automatic test interval to 10 seconds.

```
[Quidway-hwping-administrator-icmp] frequency 10
```

1.1.5 hwping

Syntax

hwping *administrator-name operation-tag*

undo hwping *administrator-name operation-tag*

View

System view

Parameter

administrator-name: Specifies name of the administrator creating an HWPing test group.

operation-tag: Test operation tag.

Description

Using the **hwping** command, you can create an HWPing test group.

Executing this command allows the system to access HWPing test group view.

Example

Create an HWPing test group, where the administrator name is “administrator” and the test operation tag is “icmp”.

```
[Quidway] hwping administrator icmp
[Quidway-hwping-administrator-icmp]
```

1.1.6 hwping-agent enable

Syntax

hwping-agent enable
undo hwping-agent enable

View

System view

Parameter

None

Description

Using the **hwping-agent enable** command, you can enable the HWPing client function. Using the **undo hwping-agent enable** command, you can disable the HWPing client function.

Before you can perform a test, you must enable the HWPing client function.

Example

```
# Enable HWPing Client.
[Quidway] hwping-agent enable
```

1.1.7 test-enable

Syntax

test-enable

View

HWPing test group view

Parameter

None

Description

Using the **test-enable** command, you can execute an HWPing test.

Note:

After you execute the **test-enable** command, the system does not display the test result. You may view the test result information by executing the **display hwping** command.

For the related command, see **display hwping**.

Example

Execute the HWPing test defined by the test group “wgw-testicmp”.

```
[Quidway-hwping-wgw-testicmp] test-enable
```

1.1.8 test-type

Syntax

test-type *type*

View

HWPing test group view

Parameter

test-type: Test type, which can be one of the following keywords:

- **dhcp**: DHCP test.
- **dls**: Dls echo test.
- **ftp**: FTP connection test.
- **http**: HTTP connection test.
- **icmp**: ICMP test, the default test type.
- **jitter**: Jitter test for analyzing delay variations in UDP packet transmission.
- **snmpquery**: SNMP test.
- **tcpprivate**: Tests the TCP connection of a specified unknown port.
- **tcppublic**: Tests the TCP connection of port 7.
- **udpprivate**: Tests the UDP connection of a specified unknown port.
- **udppublic**: Tests the UDP connection of port 7.

Description

Using the **test-type** command, you can configure the type of the test.

Currently the system only supports ICMP test.

The default test type is ICMP.

Example

```
# Set test type to ICMP.
```

```
[Quidway-hwping-administrator-icmp] test-type icmp
```

1.1.9 timeout

Syntax

timeout *time*

undo timeout

View

HWPing test group view

Parameter

time: Timeout time. It is in the range 1 to 60 seconds and defaults to 3 seconds.

Description

Using the **timeout** command, you can configure a timeout time for a test. Using the **undo timeout** command, you can restore the default.

Example

```
# Set the timeout time to 10 seconds.
```

```
[Quidway-hwping-administrator-icmp] timeout 10
```