network test-link commands

ONTAP 9.15.1 commands

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network test-link commands

network test-link run-test

Test link bandwidth

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The `network test-link run-test` command runs a performance test between two nodes. The command requires a source node, Vserver, and destination address.

Before executing the `network test-link run-test` command, the network test-link start-server command must be run to start a server on the node hosting the destination LIF. After all tests to that node are complete the network test-link stop-server command must be run to stop the server.

The test results are stored non-persistently and can be viewed using the network test-link show command. Results include input parameters, the bandwidth achieved, and the date and time of the test.

Parameters

`-node {<nodename>|local}` - Node Name (privilege: advanced)

Use this parameter to specify the node which initiates the test.

`-vserver <vserver>` - Vserver (privilege: advanced)

Use this parameter to specify the Vserver to access the destination LIF. DC (Data Channel) Vserver option is available only in an ONTAP Select or ONTAP Cloud cluster. It is a special vserver that hosts LIFs that are used to mirror data aggregates to partner node.

`-destination <Remote InetAddress>` - Destination (privilege: advanced)

Use this parameter to specify the destination IP address.

Examples

The following example runs a test between the cluster LIFs, including the start and stop of the server side of the test:

```
cluster1::*> network test-link start-server -node node1

cluster1::*> network test-link run-test -node node2 -vserver Cluster
-destination 172.31.112.173
Node: node2
     Vserver: Cluster
 Destination: 172.31.112.173
Time of Test: 4/22/2016 15:33:18
        MB/s: 41.2678

cluster1::*> network test-link stop-server -node node1
cluster1::*> network test-link show
Node                Vserver             Destination       Time of Test
MB/s
-----------------   -----------------   ---------------
-------------------   ------------
node2               Cluster             172.31.112.173    4/22/2016
15:33:18         41.2678
```

Related Links

- network test-link start-server
- network test-link stop-server
- network test-link show

network test-link show

Display test results

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The `network test-link show` command displays the results of prior network test-link run-test commands.

The test results are stored non-persistently and can be viewed using the `network test-link show` command. Results include input parameters, the bandwidth achieved, and the date and time of the test.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

-node {<nodename>|local} - Node (privilege: advanced)

Selects the nodes that match this parameter value. Use this parameter to display the test results specific to a node. By default, the test results across all nodes are shown.

-vserver <vserver> - Vserver (privilege: advanced)

Use this parameter to display the test results specific to a Vserver. Use DC (Data Channel) Vserver option only in an ONTAP Select or ONTAP Cloud cluster to show network performance of links hosting DC LIFs. DC Vserver is a special Vserver that hosts LIFs that are used to mirror data aggregates to partner node

[-destination <Remote InetAddress>] - Destination (privilege: advanced)

Use this parameter to display the test results associated with the specified destination.

[-timestamp <MM/DD/YYYY HH:MM:SS>] - Time of Test (privilege: advanced)

Use this parameter to display the test results with the specified timestamp.

[-bandwidth <double>] - MB/s (privilege: advanced)

Use this parameter to display the test results only matching the specified bandwidth.

Examples

The following example runs a test between the cluster LIFs twice and then demonstrates the show command results:

```
cluster1::*> network test-link run-test -node node2 -vserver Cluster
-destination 172.31.112.173
Node: node2
     Vserver: Cluster
 Destination: 172.31.112.173
Time of Test: 4/25/2016 10:37:52
        MB/s: 29.9946
cluster1::*> network test-link run-test -node node2 -vserver Cluster
-destination 172.31.112.173
Node: node2
     Vserver: Cluster
 Destination: 172.31.112.173
Time of Test: 4/25/2016 10:38:32
  MB/s: 39.8192
cluster1::*> network test-link show -node node2 -vserver Cluster
Node                Vserver             Destination       Time of Test
MB/s
-----------------   -----------------   ---------------
-------------------   ------------
node2               Cluster             172.31.112.173    4/25/2016
10:38:32         39.8192
```

Related Links

- network test-link run-test

network test-link start-server

Start server for bandwidth test

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The `network test-link start-server` command starts the server side of the `network test-link` test on the designated node.

Only one server at a time can be running for the `network test-link` command on a given node. If the `network test-link start-server` command is issued and a server is already running on the node, then the command is ignored, and the existing server continues to run.

The server started is listening on port 5201.

Parameters

`-node {<nodename>|local}` - Node Name (privilege: advanced)

Use this parameter to specify the node where the server is to be started.

Examples

The following example starts a server:

```
cluster1::*> network test-link start-server -node node1
```

network test-link stop-server

Stop server for bandwidth test

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The `network test-link stop-server` command stops the `network test-link` server running on the designated node.

Parameters

`-node {<nodename>|local}` - Node Name (privilege: advanced)

Use this parameter to specify the node where the server is to be stopped.

Examples

The following example starts a server and stops it:

```
cluster1::*> network test-link start-server -node node1

cluster1::*> network test-link stop-server -node node1
```

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