network test-link commands
ONTAP 9.13.1 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:
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:

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

```plaintext
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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