network trace commands

ONTAP 9.9.1 commands

NetApp
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Table of Contents

network trace commands

network trace show

Show running network trace instances

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

Description

The `network trace show` command shows currently running packet traces on a matching node.

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 Name

Use this parameter optionally to show the details of running packet traces on a matching node.

[-port {<netport>|<ifgrp>}] - Port

Use this parameter optionally to show the details of running packet trace on a matching network interface.

Examples

The following example shows the details of running packet traces on nodes "node1" and "node2":

```
cluster1::> network trace show
Node       Port
---------- --------
node1
           e0a
node2
           e0c
```

network trace start

trace start

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

The `network trace start` command starts packet tracing with the given parameters. The best practice is to temporarily disable Snapshots on the root volume while the network trace is running.

Parameters

`-node {<nodename>|local}` - Node Name

Use this parameter to specify the node on which the packet trace should run.

`-port {<netport>|<ifgrp>}` - Port

Use this parameter to specify the network interface for packet tracing.

`[-address <IP Address>]` - IP Address

Use this parameter to optionally specify the address for packet tracing.

`[-protocol-port <integer>]` - Protocol Port Number

Use this parameter to optionally specify the protocol port number for packet tracing.

`[-buffer-size <integer>]` - Buffer Size in KB

Use this parameter to optionally specify the buffer size for packet tracing. The default buffer size is 4 KB.

`[-file-size <integer>]` - Trace File Size in MB

Use this parameter to optionally specify the trace file size for packet tracing. The default trace file size is 1 GB.

`[-rolling-traces <integer>]` - Number of Rolling Trace Files

Use this parameter to optionally specify the number of rolling trace files for packet tracing. The default number of rolling trace files is 2.

Examples

The following example starts packet tracing on node "node1" with address "10.98.16.164", network port "e0c", buffer size "10 KB", and protocol port number "10000":

```
cluster1::> network trace start -node node1
    -address 10.98.16.164 -port e0c -buffer-size 10 -protocol-port 10000
```

The following example disables Snapshots on the root volume. Snapshots should be re-enabled after the trace is stopped.

```
cluster1::> node run -node node1 vol options vol0 nosnap on
```

network trace stop

Stop an active network trace

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

Description

The `network trace stop` command stops a running packet trace on a given network interface. The trace files could be located in /mroot/etc/log/packet_traces/.

Parameters

`-node {<nodename>|local}` - Node Name

Use this parameter to specify the node on which the packet tracing must be stopped.

`-port {<netport>|<ifgrp>}` - Port

Use this parameter to specify the network interface on which the packet tracing must be stopped.

Examples

The following example stops a packet trace on network interface "e0a" from node "node1":

```
cluster1::> network trace stop -node node1 -port e0a
```

network trace file delete

Delete a network trace file

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

Description

The `network trace file delete` command deletes the network trace file from a matching node.

Parameters

`-node {<nodename>|local}` - Node Name

Use this parameter to delete the network trace file from a matching node.

`-trace-file <text>` - Trace File

Use this parameter to specify the network trace file to be deleted.

Examples

The following example deletes the list of network trace files from node "node1" using wildcard pattern:

```
cluster1::> network trace file delete -node node1 -trace-file *
```

network trace file show

Show list of network trace files

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

Description

The `network trace file show` command shows the list of network trace files located in the /mroot/etc/log/packet_traces/ directory.

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 Name

Use this parameter to show the list of traces files of a matching node.

[-trace-file <text>] - Trace File

Use this parameter optionally to show the list of trace files with a matching trace-file name.

Examples

The following example shows the list of trace files on nodes "node1" and "node2":

```
cluster1::> network trace file show
Node            Trace File
--------------- ------------------------------
node1
                e0a_20170314_115624.trc0
node2
                e0c_20170314_115624.trc0
```