



## **network trace commands**

### ONTAP commands

NetApp

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# 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
```

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