



# **network tcpdump commands**

## **ONTAP 9.8 commands**

NetApp  
September 27, 2022

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# network tcpdump commands

## network tcpdump show

Show running tcpdump instances

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

### Description

The `network tcpdump show` command shows currently running packet traces (via tcpdump) 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 tcpdump show
Node      Port
-----  -
node1
          e0a
node2
          e0c
```

## network tcpdump start

tcpdump start

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

## Description

The `network tcpdump start` command starts packet tracing (via `tcpdump`) with the given parameters.

## 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 tcpdump start -node node1
        -address 10.98.16.164 -port e0c -buffer-size 10 -protocol-port 10000
```

## network tcpdump stop

Stop an active `tcpdump` trace

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

## Description

The `network tcpdump stop` command stops a running packet trace (via `tcpdump`) 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 tcpdump stop -node node1 -port e0a
```

## network tcpdump trace delete

Delete a tcpdump tracefile

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

## Description

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

## Parameters

### **-node {<nodename>|local} - Node Name**

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

### **-trace-file <text> - Trace File**

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

## Examples

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

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

## network tcpdump trace show

Show list of tcpdump trace files

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

## Description

The `network tcpdump trace show` command shows the list of tcpdump trace files located in `/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 tcpdump trace show
Node          Trace File
-----
node1
              e0a_20170314_115624.trc0
node2
              e0c_20170314_115624.trc0
```

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