



# **network device-discovery commands**

ONTAP 9.11.1 commands

NetApp

February 11, 2024

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# network device-discovery commands

## network device-discovery show

Display device discovery information

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

### Description

The network device-discovery show command displays information about discovered devices. This information may be useful in determining the network topology or investigating connectivity issues. By default, the command displays the following information:

- Local interface
- Discovered device
- Discovered interface
- Discovered platform

### Parameters

**{ [-fields <fieldname>,...]**

Include the specified field or fields in the command output. Use '-fields ?' to display the valid fields.

**| [-instance ] }**

Use this parameter to display detailed information about all fields.

**[-node <nodename>] - Node**

Displays the discovery ports that match the node name.

**[-protocol {cdp|lldp}] - Protocol**

Displays the devices that are discovered by the given protocol.

**[-port <text>] - Port**

Displays the discovery ports that match the physical network port. For example, e0a will display devices discovered on port e0a.

**[-discovered-device <text>] - Discovered Device**

Displays the discovered devices that match the discovered device name.

**[-interface <text>] - Discovered Device Interface**

Displays the discovered devices that match this interface port name. The format is dependent on the reporting device. For example: FastEthernet0/12

**[-device-ip <IP Address>,...] - Discovered Device IP Addresses**

Displays the discovered devices that match the IP address(es). At present, only IPv4 addresses are included. It is recommended to use wildcards around the desired value.

**[-platform <text>] - Discovered Device Platform**

Displays the discovery ports that contain the platform of discovered devices. For example: N5K-C5010P-BF

**[-version <text>] - Discovered Device Version**

Displays the discovery ports that contain the version of discovered devices.

**[-chassis-id <text>] - Discovered Device Chassis ID**

Displays the discovered devices that match the chassis ID.

**[-system-name <text>] - Discovered Device System Name**

Displays the discovered devices that match the system name.

**[-hold-time-remaining <integer>] - Discovered Device's Remaining Hold Time**

Displays the discovered devices that match the remaining packet hold time in seconds. If an advertisement from the device isn't received before this time reaches zero, the entry will expire and be removed from the list. For example, "<120" will display discovered devices which will expire within the next 120 seconds.

**[-capabilities {router|trans-bridge|source-route-bridge|switch|host|igmp|repeater|phone}] - Discovered Device Capabilities**

Displays the discovered devices that match the capability or capabilities. Possible values:

- "router" - Router
- "trans-bridge" - Trans Bridge
- "source-route-bridge" - Source Route Bridge
- "switch" - Switch
- "host" - Host
- "igmp" - IGMP
- "repeater" - Repeater
- "phone" - Phone

## Examples

```
cluster1::> network device-discovery show
```

Node/ Protocol	Local Port	Discovered Device	Interface	Platform
-----	-----	-----	-----	
node1/cdp				
	e0a	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/17	N5K-C5010P-
BF				
	e0b	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/18	N5K-C5010P-
BF				
	e1a	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/2	N5K-C5010P-
BF				
node2/cdp				
	e0a	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/19	N5K-C5010P-
BF				
	e0b	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/20	N5K-C5010P-
BF				
	e1a	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/4	N5K-C5010P-
BF				
	e1c	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/36	N5K-C5010P-
BF				
	e1d	US-LS01-5010-F11-NX.example.com(SSI142311PD)	Ethernet100/1/35	N5K-C5010P-
BF				

8 entries were displayed.

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