



# **network arp commands**

## **ONTAP 9.5 commands**

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# Table of Contents

- network arp commands ..... 1
- network arp create ..... 1
- network arp delete ..... 1
- network arp show ..... 2
- network arp active-entry delete ..... 3
- network arp active-entry show ..... 4

# network arp commands

## network arp create

Create static ARP entry

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

### Description

The `network arp create` command creates a static ARP entry for a given Vserver. Statically created ARP entries will be stored permanently in the Vserver context and will be used by the network stack.

### Parameters

**-vserver <vserver name> - Vserver Name**

Use this parameter to specify the name of the Vserver on which the ARP entry is created.

**-remotehost <IP Address> - Remote IP Address**

Use this parameter to specify the IP address to be added as an ARP entry.

**-mac <MAC Address> - MAC Address**

Use this parameter to specify the MAC address (Ethernet address) for the host specified with `-remotehost`. Specify the MAC address as six hex bytes separated by colons.

### Examples

The following example creates a static ARP entry on Vserver `vs1` for the remote host with the IP address `10.63.0.2` having MAC address `40:55:39:25:27:c1`

```
cluster1::> network arp create -vserver vs1 -remotehost 10.63.0.2 -mac  
40:55:39:25:27:c1
```

## network arp delete

Delete static ARP entry

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

### Description

The `network arp delete` command deletes static ARP entries from the Vserver and from the network stack.

### Parameters

**-vserver <vserver name> - Vserver Name**

Use this parameter to specify the name of the Vserver from which the ARP entry is deleted.

**-remotehost <IP Address> - Remote IP Address**

Use this parameter to specify the IP address of the ARP entry being deleted.

## Examples

The following example deletes the ARP entry for IP address 10.63.0.2 from the Vserver vs1.

```
cluster1::> network arp delete -vserver vs1 -remotehost 10.63.0.2
```

## network arp show

Display static ARP entries

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

### Description

The `network arp show` command displays static ARP entries present in a given Vserver. This command will not display dynamically learnt ARP entries in the network stack. Use the [network arp active-entry show](#) command to display dynamically learned ARP entries in the network stack.

### Parameters

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

Use this parameter to display only certain fields of the ARP table.

| [-instance ] }

Use this parameter to display all the fields of the ARP table.

[-vserver <vserver name>] - Vserver Name

Use this parameter to display ARP entries that are specific to a given Vserver.

[-remotehost <IP Address>] - Remote IP Address

Use this parameter to display ARP entries for the specified IP address

[-mac <MAC Address>] - MAC Address

Use this parameter to display ARP entry for the specified MAC address

[-ipspace <IPspace>] - IPspace

Use this parameter to specify the IPspace associated with the Vserver

## Examples

The following example displays static ARP entries from the Vserver vs1.

```
cluster1::> network arp show -vserver vs1
Vserver      Remote Host      MAC Address
-----
vs1
              10.238.0.2      40:55:39:25:27:c1
```

## Related Links

- [network arp active-entry show](#)

## network arp active-entry delete

Delete active ARP entry from a System or Admin Vserver

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

### Description

The `network arp active-entry delete` command deletes dynamically learned ARP entries from the network stack of a node. To delete statically configured ARP entries use the [network arp delete](#) command.

### Parameters

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

Use this parameter to specify the name of the node in which the ARP entry is deleted.

**-vserver <vserver> - System or Admin Vserver Name**

Use this parameter to specify the name of the Vserver in which the ARP entry is deleted. Only Vservers with a type of Admin or System have dynamically learned ARP entries.

**-subnet-group <IP Address/Mask> - Subnet Group Name**

Use this parameter to specify the name of the routing group in which the ARP entry is deleted.

**-remotehost <text> - Remote IP Address**

Use this parameter to specify the IP address to be deleted from the active ARP entries.

**-port <text> - Port**

Use this parameter to specify the name of the Port to be deleted from the active ARP entries.

### Examples

The following example deletes the active ARP entry with an IP address of 10.224.64.1, subnet group of 0.0.0.0/0, port e0c on node node2 in the Admin Vserver cluster1:

```
cluster1::network arp active-entry*> delete -node cluster1-01 -vserver
cluster1 -subnet-group 0.0.0.0/0 -remotehost 10.224.64.1 -port e0c
```

## Related Links

- [network arp delete](#)

# network arp active-entry show

Display active ARP entries organized by Vserver

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

## Description

The `network arp active-entry show` command displays ARP entries present in the network stack of the node. The entries includes both dynamically learned ARP entries and user configured static ARP entries.

## Parameters

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

Use this parameter to display only certain fields of the active ARP table.

**| [-instance ] }**

Use this parameter to display all the fields of the active ARP table.

**[-node {<nodename>|local}] - Node**

Use this parameter to display active ARP entries that are specific to a given node.

**[-vserver <vserver>] - System or Admin Vserver Name**

Use this parameter to display active ARP entries that are specific to a given System or Admin Vserver. Data and Node Vservers will not have any active-arp entries.

**[-subnet-group <IP Address/Mask>] - Subnet Group Name**

Use this parameter to display active ARP entries that are specific to a given subnet group.

**[-remotehost <text>] - Remote IP Address**

Use this parameter to display active ARP entries for the specified IP address.

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

Use this parameter to display active ARP entries for the specified Port name.

**[-mac <text>] - MAC Address**

Use this parameter to display the active ARP entry for the specified MAC address.

**[-ipspace <IPspace>] - IPspace**

Use this parameter to specify the IPspace associated with the System or Admin Vserver.

## Examples

The following example displays active ARP entries for the Admin Vserver cluster1:

```
cluster1::*> network arp active-entry show -vserver cluster1
```

```
Node: node-01
```

```
Vserver: cluster1
```

```
Subnet Group: 169.254.0.0/16
```

```
Remote IP Address MAC Address          Port
```

```
-----  
169.254.106.95    0:55:39:27:d1:c1  lo
```

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