



# **Display routing information**

## **ONTAP System Manager**

NetApp

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# Table of Contents

Display routing information..... 1

# Display routing information

You can display information about the routing configuration for each SVM on your cluster. This can help you diagnose routing problems involving connectivity issues between client applications or services and a LIF on a node in the cluster.

## Steps

1. Use the `network route show` command to display routes within one or more SVMs. The following example shows a route configured in the vs0 SVM:

```
network route show
(network route show)
Vserver          Destination      Gateway          Metric
-----
vs0
                0.0.0.0/0      172.17.178.1    20
```

2. Use the `network route show-lifs` command to display the association of routes and LIFs within one or more SVMs.

The following example shows LIFs with routes owned by the vs0 SVM:

```
network route show-lifs
(network route show-lifs)

Vserver: vs0
Destination      Gateway          Logical Interfaces
-----
0.0.0.0/0        172.17.178.1    cluster_mgmt,
                  LIF-b-01_mgmt1,
                  LIF-b-02_mgmt1
```

3. Use the `network route active-entry show` command to display installed routes on one or more nodes, SVMs, subnets, or routes with specified destinations.

The following example shows all installed routes on a specific SVM:

```
network route active-entry show -vserver Data0

Vserver: Data0
Node: node-1
Subnet Group: 0.0.0.0/0
Destination      Gateway          Interface      Metric  Flags
-----

```

127.0.0.1	127.0.0.1	lo	10	UHS
127.0.10.1	127.0.20.1	losk	10	UHS
127.0.20.1	127.0.20.1	losk	10	UHS

Vserver: Data0

Node: node-1

Subnet Group: fd20:8b1e:b255:814e::/64

Destination	Gateway	Interface	Metric	Flags
default	fd20:8b1e:b255:814e::1	e0d	20	UGS
fd20:8b1e:b255:814e::/64	link#4	e0d	0	UC

Vserver: Data0

Node: node-2

Subnet Group: 0.0.0.0/0

Destination	Gateway	Interface	Metric	Flags
127.0.0.1	127.0.0.1	lo	10	UHS

Vserver: Data0

Node: node-2

Subnet Group: 0.0.0.0/0

Destination	Gateway	Interface	Metric	Flags
127.0.10.1	127.0.20.1	losk	10	UHS
127.0.20.1	127.0.20.1	losk	10	UHS

Vserver: Data0

Node: node-2

Subnet Group: fd20:8b1e:b255:814e::/64

Destination	Gateway	Interface	Metric	Flags
default	fd20:8b1e:b255:814e::1	e0d	20	UGS
fd20:8b1e:b255:814e::/64	link#4	e0d	0	UC
fd20:8b1e:b255:814e::1	link#4	e0d	0	UHL

11 entries were displayed.

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