



# Display routing information

ONTAP 9

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April 27, 2021

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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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