



Display LIF information

ONTAP System Manager

NetApp

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You can view detailed information about a LIF to determine its configuration. You might also want to view this information to diagnose basic LIF problems, such as checking for duplicate IP addresses or verifying whether the network port belongs to the correct subnet. storage virtual machine (SVM) administrators can view only the information about the LIFs associated with the SVM.

About this task

The following information is displayed:

- IP address associated with the LIF
- Administrative status of the LIF
- Operational status of the LIF

The operational status of data LIFs is determined by the status of the SVM with which the data LIFs are associated. When the SVM is stopped, the operational status of the LIF changes to down. When the SVM is started again, the operational status changes to up

- Node and the port on which the LIF resides

If data for a field is not available (for example, if there is no extended status information), the field value is listed as -.

Step

Display LIF information by using the network interface show command.

You can view detailed information for each LIF by specifying the -instance parameter, or get specific information by specifying field names using the -fields parameter.

The following command displays general information about all LIFs in a cluster:

```

network interface show
Vserver      Logical   Status   Network   Current   Current   Is
Interface    Admin/Oper Address/Mask Node       Port      Home
-----
example
node-01      lif1      up/up    192.0.2.129/22  node-01    e0d      false
node-01      cluster_mgmt up/up    192.0.2.3/20   node-02    e0c      false
node-01      clus1     up/up    192.0.2.65/18   node-01    e0a      true
node-01      clus2     up/up    192.0.2.66/18   node-01    e0b      true
node-01      mgmt1     up/up    192.0.2.1/20    node-01    e0c      true
node-02      clus1     up/up    192.0.2.67/18   node-02    e0a      true
node-02      clus2     up/up    192.0.2.68/18   node-02    e0b      true
node-02      mgmt2     up/up    192.0.2.2/20    node-02    e0d      true
vs1
vs1          d1        up/up    192.0.2.130/21   node-01    e0d      false
vs1          d2        up/up    192.0.2.131/21   node-01    e0d      true
vs1          data3     up/up    192.0.2.132/20   node-02    e0c      true

```

The following command shows detailed information about a single LIF:

```
network interface show -lif data1 -instance
```

```
      Vserver Name: vs1
Logical Interface Name: data1
      Role: data
      Data Protocol: nfs,cifs
      Home Node: node-01
      Home Port: e0c
      Current Node: node-03
      Current Port: e0c
Operational Status: up
Extended Status: -
      Is Home: false
      Network Address: 192.0.2.128
      Netmask: 255.255.192.0
Bits in the Netmask: 18
      IPv4 Link Local: -
      Subnet Name: -
Administrative Status: up
      Failover Policy: local-only
      Firewall Policy: data
      Auto Revert: false
Fully Qualified DNS Zone Name: xxx.example.com
DNS Query Listen Enable: false
      Failover Group Name: Default
      FCP WWPName: -
      Address family: ipv4
      Comment: -
      IPspace of LIF: Default
```

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