



# Display LIF information

## ONTAP System Manager

NetApp

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# Display LIF information

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         lif1      up/up    192.0.2.129/22  node-01   e0d       false
node         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
              clus2     up/up    192.0.2.66/18   node-01   e0b       true
              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
              clus2     up/up    192.0.2.68/18   node-02   e0b       true
              mgmt2     up/up    192.0.2.2/20    node-02   e0d       true
vs1          d1        up/up    192.0.2.130/21   node-01   e0d       false
              d2        up/up    192.0.2.131/21   node-01   e0d       true
              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 WWPN: -
    Address family: ipv4
      Comment: -
    IPspace of LIF: Default
```

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