



# Display LIF information

ONTAP 9

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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 Interface	Status Admin/Oper	Network Address/Mask	Current Node	Current Is Port
Home					
-----	-----	-----	-----	-----	-----
-----					
example	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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