



Create LIFs

ONTAP System Manager

NetApp
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An SVM serves data to clients through one or more network logical interfaces (LIFs). You must create LIFs on the ports you want to use to access data.

Before you begin

You must be a cluster administrator to perform this task.

About this task

ONTAP automatically chooses the home port of a LIF, as long as at least one LIF already exists in the same subnet in that IPspace. ONTAP chooses a home-port in the same broadcast domain as other LIFs in that subnet. You can still specify a home port, but it is no longer required (unless no LIFs yet exist in that subnet in the specified IPspace).

You should not configure LIFs that carry SMB traffic to automatically revert to their home nodes. This recommendation is mandatory if the SMB server is to host a solution for nondisruptive operations with Hyper-V or SQL Server over SMB.

Steps

1. Determine which broadcast domain ports you want to use for the LIF.

```
network port broadcast-domain show -ipspace ipspace1
```

| IPspace Name | Broadcast Domain name | MTU | Port List | Update Status Details |
|-----------------|--------------------------|------|--|--|
| ipspace1 | default | 1500 | node1:e0d node1:e0e node2:e0d node2:e0e | complete complete complete complete |

2. Verify that the subnet you want to use for the LIFs contains sufficient unused IP addresses.

```
network subnet show -ipspace ipspace1
```

3. Create one or more LIFs on the ports you want to use to access data.

```
network interface create -vserver vs1 -lif lif1 -home-node node1 -home-port  
e0d -service-policy default-data-files -subnet-name ipspace1
```

4. Verify that the LIF interface configuration is correct.

```
network interface show -vserver vs1
```

| Vserver | Logical Interface | Status Admin/Oper | Network Address/Mask | Current Node | Current Port | Is Home |
|---------|----------------------|----------------------|-------------------------|-----------------|-----------------|------------|
| vs1 | lif1 | up/up | 10.0.0.128/24 | node1 | e0d | true |

5. Verify that the failover group configuration is as desired.

```
network interface show -failover -vserver vs1
```

| Vserver | Logical interface | Home Node:Port | Failover Policy | Failover Group |
|--|----------------------|-------------------|--------------------|-------------------|
| vs1 | lif1 | node1:e0d | system-defined | ipspacel |
| Failover Targets: node1:e0d, node1:e0e, node2:e0d, node2:e0e | | | | |

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