



# Create LIFs

## ONTAP 9

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May 14, 2021

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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

Starting with ONTAP 9.7, 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 CIFS traffic to automatically revert to their home nodes. This recommendation is mandatory if the CIFS 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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