



# Configuring intercluster LIFs on shared data ports

## ONTAP MetroCluster

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# Configuring intercluster LIFs on shared data ports

You can configure intercluster LIFs on ports shared with the data network. Doing so reduces the number of ports you need for intercluster networking.

## Steps

1. List the ports in the cluster:

```
network port show
```

For complete command syntax, see the man page.

The following example shows the network ports in cluster01:

```
cluster01::> network port show
```

(Mbps)						Speed
Node	Port	IPspace	Broadcast Domain	Link	MTU	Admin/Oper
-----						
cluster01-01						
	e0a	Cluster	Cluster	up	1500	auto/1000
	e0b	Cluster	Cluster	up	1500	auto/1000
	e0c	Default	Default	up	1500	auto/1000
	e0d	Default	Default	up	1500	auto/1000
cluster01-02						
	e0a	Cluster	Cluster	up	1500	auto/1000
	e0b	Cluster	Cluster	up	1500	auto/1000
	e0c	Default	Default	up	1500	auto/1000
	e0d	Default	Default	up	1500	auto/1000

2. Create intercluster LIFs on the system SVM:

### In ONTAP 9.6 and later:

```
network interface create -vserver system_SVM -lif LIF_name -service-policy default-intercluster -home-node node -home-port port -address port_IP -netmask netmask
```

### In ONTAP 9.5 and earlier:

```
network interface create -vserver system_SVM -lif LIF_name -role intercluster -home-node node -home-port port -address port_IP -netmask netmask
```

For complete command syntax, see the man page.

The following example creates intercluster LIFs `cluster01_icl01` and `cluster01_icl02`:

```
cluster01::> network interface create -vserver cluster01 -lif
cluster01_icl01 -service-
policy default-intercluster -home-node cluster01-01 -home-port e0c
-address 192.168.1.201
-netmask 255.255.255.0

cluster01::> network interface create -vserver cluster01 -lif
cluster01_icl02 -service-
policy default-intercluster -home-node cluster01-02 -home-port e0c
-address 192.168.1.202
-netmask 255.255.255.0
```

3. Verify that the intercluster LIFs were created:

**In ONTAP 9.6 and later:**

```
network interface show -service-policy default-intercluster
```

**In ONTAP 9.5 and earlier:**

```
network interface show -role intercluster
```

For complete command syntax, see the man page.

```
cluster01::> network interface show -service-policy default-intercluster

      Logical      Status      Network      Current
Current Is
Vserver      Interface  Admin/Oper  Address/Mask      Node      Port
Home
-----
-----
cluster01
      cluster01_icl01
              up/up      192.168.1.201/24  cluster01-01  e0c
true
      cluster01_icl02
              up/up      192.168.1.202/24  cluster01-02  e0c
true
```

4. Verify that the intercluster LIFs are redundant:

**In ONTAP 9.6 and later:**

```
network interface show -service-policy default-intercluster -failover
```

**In ONTAP 9.5 and earlier:**

```
network interface show -role intercluster -failover
```

For complete command syntax, see the man page.

The following example shows that the intercluster LIFs "cluster01\_icl01" and "cluster01\_icl02" on the "e0c" port will fail over to the "e0d" port.

```
cluster01::> network interface show -service-policy default-intercluster
-failover
          Logical          Home          Failover          Failover
Vserver  Interface         Node:Port        Policy            Group
-----
cluster01
          cluster01_icl01 cluster01-01:e0c  local-only
192.168.1.201/24
                                Failover Targets: cluster01-01:e0c,
                                                cluster01-01:e0d
          cluster01_icl02 cluster01-02:e0c  local-only
192.168.1.201/24
                                Failover Targets: cluster01-02:e0c,
                                                cluster01-02:e0d
```

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