

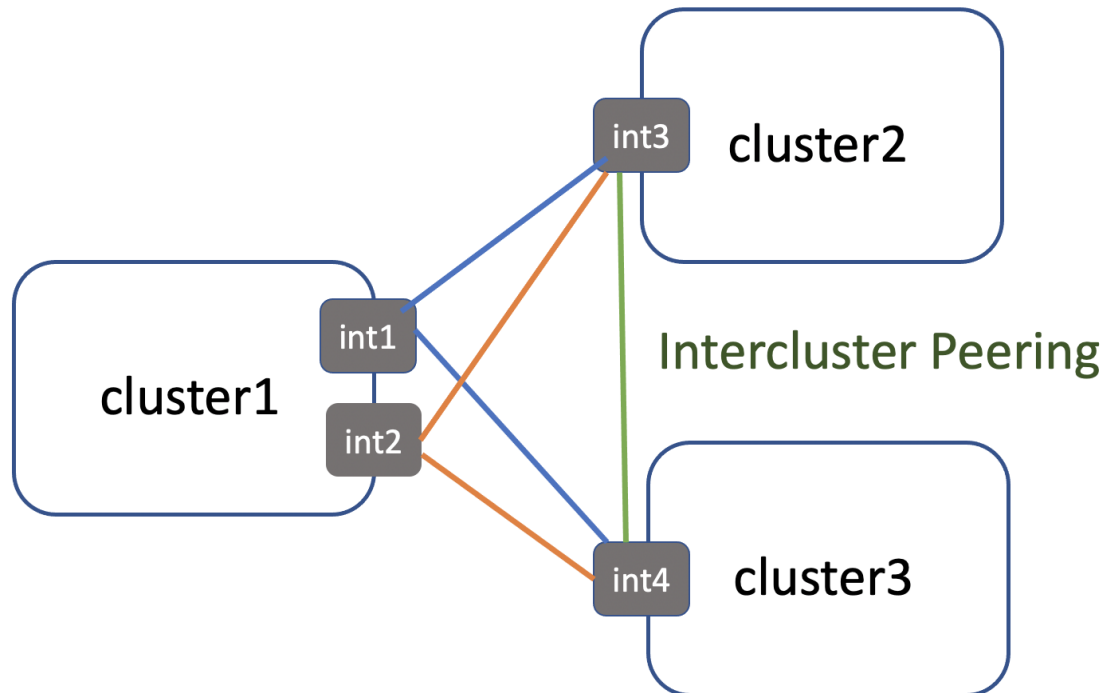
ONTAP_Cluster_Peering

Prerequisites: both cluster1 and cluster2 should be up and running.

In this lab you will peer cluster1 and cluster2.

1. Create an intercluster lif on every node in every cluster
You can use ports that are shared with other LIFS or dedicated ports.
Every node in every cluster should be able to reach every other node in the other cluster.
2. Initiate the peering from one cluster and complete the peering on the other cluster.
3. Check reachability

(see next page for commands)



Commands

1. Create two interfaces on cluster1. You should use the cluster admin SVM.

cluster1::>

```
net int create -vserver cluster1 -lif int1 -service default-intercluster -address 10.10.10.1
-netmask 255.255.255.0 -home-node cluster1-01 -home-port e0e
```

cluster1::>

```
net int create -vserver cluster1 -lif int2 -service default-intercluster -address 10.10.10.2
-netmask 255.255.255.0 -home-node cluster1-02 -home-port e0e
```

If your second cluster is a single node cluster, create a single interface.

If your second cluster has two nodes, create two interfaces.

cluster2::>

```
net int create -vserver cluster2 -lif int1 -service-policy default-intercluster -address
10.10.10.3 -netmask 255.255.255.0 -home-node cluster2-01 -home-port e0e
```

2. Initiate the peering from either of the two clusters.

cluster1::>

```
cluster peer create -address-family ipv4 -peer-addrs 10.10.10.3
```

cluster2::>

```
cluster peer create -peer-addrs 10.10.10.1
```

cluster1::>

```
cluster peer ping -originating-node cluster1-01 -destination-cluster cluster2
```

```
Node: cluster1-01      Destination Cluster: cluster2
Destination Node IP Address    Count  TTL  RTT(ms)  Status
-----
backup-01      10.10.10.3      1  64  2.067  interface_reachable
```

cluster2::>

```
cluster peer ping -originating-node cluster2-01 -destination-cluster cluster1
```

```
Node: cluster2-01      Destination Cluster: cluster1
Destination Node IP Address    Count  TTL  RTT(ms)  Status
-----
cluster1-01      10.10.10.1      1  64  3.102  interface_reachable
prod-02          10.10.10.2      1  64  2.981  interface_reachable
```

cluster1::>

cluster peer show

<i>Peer Cluster Name</i>	<i>Cluster Serial Number</i>	<i>Availability</i>	<i>Authentication</i>

<i>cluster2</i>	<i>1-80-000011</i>	<i>Available</i>	<i>ok</i>

You could peer the third cluster as well, but maybe do that later. That's up to you.