



Record node1 information

AFF and FAS Controller Upgrade

NetApp
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Before you can shut down and retire node1, you need to record information about its cluster network, management, and FC ports as well as its NVRAM System ID. You need that information later in the procedure when you map node1 to node3 and reassign disks.

Steps

1. Enter the following command and capture its output:

```
network route show
```

The system displays output similar to the following example:

```
cluster::> network route show
```

| Vserver | Destination | Gateway | Metric |
|---------------|-------------|-------------|--------|
| ----- | ----- | ----- | ----- |
| iscsi vserver | 0.0.0.0/0 | 10.10.50.1 | 20 |
| node1 | 0.0.0.0/0 | 10.10.20.1 | 10 |
| | | | |
| node2 | 0.0.0.0/0 | 192.169.1.1 | 20 |

2. Enter the following command and capture its output:

```
vserver services name-service dns show
```

The system displays output similar to the following example:

```

cluster::> vserver services name-service dns show

```

| Vserver | State | Domains | Name Servers |
|---|---------|--|--------------|
| node 1 2 10.10.60.10, 10.10.60.20 | enabled | alpha.beta.gamma.netapp.com | |
| vs_base1 10.10.60.10, 10.10.60.20 | enabled | alpha.beta.gamma.netapp.com, beta.gamma.netapp.com, | |
| ... | | | |
| vs_peer1 10.10.60.10, 10.10.60.20 | enabled | alpha.beta.gamma.netapp.com, gamma.netapp.com | |

- Find the cluster network and node-management ports on node1 by entering the following command on either controller:

```

network interface show -curr-node <node1> -role cluster,intercluster,node-
mgmt,cluster-mgmt

```

The system displays the cluster, intercluster, node-management, and cluster-management LIFs for the node in the cluster, as shown in the following example:

```
cluster::> network interface show -curr-node <node1>
          -role cluster,intercluster,node-mgmt,cluster-mgmt
```

| Current Is | Logical | Status | Network | Current | |
|------------|--------------|------------|------------------|---------|-------|
| Vserver | Interface | Admin/Oper | Address/Mask | Node | Port |
| Home | | | | | |
| ----- | ----- | ----- | ----- | ----- | ----- |
| vserver1 | cluster mgmt | up/up | 192.168.x.xxx/24 | node1 | e0c |
| true | | | | | |
| node1 | intercluster | up/up | 192.168.x.xxx/24 | node1 | e0e |
| true | | | | | |
| | clus1 | up/up | 169.254.xx.xx/24 | node1 | e0a |
| true | | | | | |
| | clus2 | up/up | 169.254.xx.xx/24 | node1 | e0b |
| true | | | | | |
| | mgmt1 | up/up | 192.168.x.xxx/24 | node1 | e0c |
| true | | | | | |

5 entries were displayed.



Your system might not have intercluster LIFs.

- Capture the information in the output of the command in [Step 3](#) to use in the section [Map ports from node1 to node3](#).

The output information is required to map the new controller ports to the old controller ports.

- Enter the following command on node1:

```
network port show -node <node1> -type physical
```

The system displays the physical ports on the node as shown in the following example:

```
sti8080mcc-htp-008::> network port show -node sti8080mcc-htp-008 -type
physical
```

```
Node: sti8080mcc-htp-008
```

| Port | IPspace | Broadcast Domain | Link | MTU | Speed (Mbps) Admin/Oper | Health Status | Ignore Health Status |
|------|---------|------------------|------|------|----------------------------|------------------|----------------------------|
| e0M | Default | Mgmt | up | 1500 | auto/1000 | healthy | false |
| e0a | Default | Default | up | 9000 | auto/10000 | healthy | false |
| e0b | Default | - | up | 9000 | auto/10000 | healthy | false |
| e0c | Default | - | down | 9000 | auto/- | - | false |
| e0d | Default | - | down | 9000 | auto/- | - | false |
| e0e | Cluster | Cluster | up | 9000 | auto/10000 | healthy | false |
| e0f | Default | - | up | 9000 | auto/10000 | healthy | false |
| e0g | Cluster | Cluster | up | 9000 | auto/10000 | healthy | false |
| e0h | Default | Default | up | 9000 | auto/10000 | healthy | false |

9 entries were displayed.

6. Record the ports and their broadcast domains.

The broadcast domains will need to be mapped to the new ports on the new controller later in the procedure.

7. Enter the following command on node1:

```
network fcp adapter show -node <node1>
```

The system displays the FC ports on the node, as shown in the following example:

```
cluster::> fcp adapter show -node <node1>
```

| Node | Adapter | Connection Established | Host Port Address |
|-------|---------|------------------------|-------------------|
| node1 | 0a | ptp | 11400 |
| node1 | 0c | ptp | 11700 |
| node1 | 6a | loop | 0 |
| node1 | 6b | loop | 0 |

4 entries were displayed.

8. Record the ports.

The output information is required to map the new FC ports on the new controller later in the procedure.

9. If you did not do so earlier, check whether there are interface groups or VLANs configured on node1 by entering the following commands:

```
network port ifgrp show
```

```
network port vlan show
```

You will use the information in the section [Map ports from node1 to node3](#).

10. Take one of the following actions:

| If you... | Then... |
|--|--|
| Recorded the NVRAM System ID number in the section Prepare the nodes for the upgrade . | Go on to the next section, Retire node1 . |
| Did not record the NVRAM System ID number in the section Prepare the nodes for the upgrade | Complete Step 11 and Step 12 and then continue to Retire node1 . |

11. Enter the following command on either controller:

```
system node show -instance -node <node1>
```

The system displays information about node1 as shown in the following example:

```
cluster::> system node show -instance -node <node1>
      Node: node1
      Owner:
      Location: GD1
      Model: FAS6240
      Serial Number: 700000484678
      Asset Tag: -
      Uptime: 20 days 00:07
      NVRAM System ID: 1873757983
      System ID: 1873757983
      Vendor: NetApp
      Health: true
      Eligibility: true
```

12. Record the NVRAM System ID number to use in the section [Install and boot node3](#).

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