



Record node2 information

AFF and FAS Controller Upgrade

NetApp
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Table of Contents

Record node2 information 1

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Before you can shut down and retire node2, 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 node2 to node4 and reassign disks.

Steps

1. Find the cluster network, node-management, intercluster, and cluster-management ports on node2:

```
network interface show -curr-node <node_name> -role
cluster,intercluster,nodemgmt,cluster-mgmt
```

The system displays the LIFs for that node and other nodes in the cluster, as shown in the following example:

```
cluster::> network interface show -curr-node node2 -role
cluster,intercluster,node-mgmt,cluster-mgmt
```

Is	Logical	Status	Network	Current	Current
Vserver	Interface	Admin/Oper	Address/Mask	Node	Port
Home					
node2	intercluster	up/up	192.168.1.202/24	node2	e0e
true	clus1	up/up	169.254.xx.xx/24	node2	e0a
true	clus2	up/up	169.254.xx.xx/24	node2	e0b
true	mgmt1	up/up	192.168.0.xxx/24	node2	e0c
true					

4 entries were displayed.



Your system might not have intercluster LIFs. You will have a cluster management LIF only on one node of a node pair. A cluster management LIF was displayed in the example output of [Step 1](#) in *Record node1 port information*.

2. Capture the information in the output to use in the section [Map ports from node2 to node4](#).

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

3. Determine physical ports on node2:

```
network port show -node <node_name> -type physical +
```

node_name is the node which is being migrated.

The system displays the physical ports on node2, as shown in the following example:

```
cluster::> network port show -node node2 -type physical
```

(Mbps)						
Node	Port	IPspace	Broadcast Domain	Link	MTU	Speed Admin/Oper
node2						
	e0M	Default	IP_address	up	1500	auto/100
	e0a	Default	-	up	1500	auto/1000
	e0b	Default	-	up	1500	auto/1000
	e1a	Cluster	Cluster	up	9000	auto/10000
	e1b	Cluster	Cluster	up	9000	auto/10000

5 entries were displayed.

4. Record the ports and their broadcast domains.

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

5. Determine the FC ports on node2:

```
network fcp adapter show
```

The system displays the FC ports on the node2, as shown in the following example:

```
cluster::> network fcp adapter show -node node2
```

Node	Adapter	Connection Established	Host Port Address
node2			
	0a	ptp	11400
node2	0c	ptp	11700
node2	6a	loop	0
node2	6b	loop	0

4 entries were displayed.

6. Record the ports.

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

7. If you have not done so earlier, check whether there are interface groups or VLANs configured on node2:

```
ifgrp show
```

```
vlan show
```

You will use the information in the section [Map ports from node2 to node4](#).

8. Take one of the following actions:

If you...	Then...
Recorded NVRAM System ID number in Prepare the nodes for upgrade	Go to Retire node2 .
Did not record the NVRAM System ID number in Prepare the nodes for upgrade	Complete Step 9 and Step 10 and then go to the next section, Retire node2 .

9. Display the attributes of node 2:

```
system node show -instance -node node2
```

```
cluster::> system node show -instance -node node2
...
NVRAM System ID: system_ID
...
```

10. Record the NVRAM System ID to use in the section [Install and boot node4](#).

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