Record node2 information

AFF and FAS Controller Upgrade

NetApp
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Record node2 information

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
            Logical     Status     Network            Current     Current
   Is
   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

                                                                  Speed
(Mbps)
Node   Port      IPspace      Broadcast Domain Link   MTU    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
                     Connection  Host
Node         Adapter Established 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.