



Retire node2

AFF and FAS Controller Upgrade

NetApp
July 23, 2021

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Retire node2

To retire node2, you need to shut node2 down properly and remove it from the rack or chassis. If the cluster is in a SAN environment, you also need to delete the SAN LIFs.

Steps

1. Take one of the following actions:

If the cluster is...	Then...
A two-node cluster	Go to Step 2 .
A cluster with more than two nodes	Go to Step 9 .

2. Access the advanced privilege level by entering the following command on either node:

```
set -privilege advanced
```

3. Verify that the cluster HA has been disabled by entering the following command and examining its output:

```
cluster ha show
```

The system displays the following message:

```
High Availability Configured: false
```

4. Check if node2 currently holds epsilon by entering the following command and examining its output:

```
cluster show
```

The following example shows that node2 holds epsilon:

```
cluster*::> cluster show
Node                Health  Eligibility  Epsilon
-----
node1                true    true         false
node2                true    true         true

Warning: Cluster HA has not been configured. Cluster HA must be
configured on a two-node cluster to ensure data access availability in
the event of storage failover. Use the "cluster ha modify -configured
true" command to configure cluster HA.

2 entries were displayed.
```

5. If node2 holds epsilon, mark epsilon as false on the node so that it can be transferred to node3:

```
cluster modify -node <node2> -epsilon false
```

6. Transfer epsilon to node3 by marking epsilon true on node3:

```
cluster modify -node <node3> -epsilon true
```

7. Verify if the setup is a two-node switchless cluster:

```
network options switchless-cluster show
```

```
cluster::*> network options switchless-cluster show
Enable Switchless Cluster: false/true
```

The value of this command must match the physical state of the system.

8. Verify if the setup is a two-node switchless cluster:

```
network options switchless-cluster show
```

```
cluster::*> network options switchless-cluster show
Enable Switchless Cluster: false/true
```

The value of this command must match the physical state of the system.

9. Return to the admin level:

```
set -privilege admin
```

10. Halt node2 by entering the following command on either controller:

```
system node halt -node <node2>
```

11. After node2 shuts down completely, remove it from the chassis or the rack. You can decommission node2 after the upgrade is completed. See [Decommission the old system](#).

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