



Moving a metadata volume in MetroCluster configurations

ONTAP MetroCluster

netapp-ivanad, ntap-bmegan
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Moving a metadata volume in MetroCluster configurations

You can move a metadata volume from one aggregate to another aggregate in a MetroCluster configuration. You might want to move a metadata volume when the source aggregate is decommissioned or unmirrored, or for other reasons that make the aggregate ineligible.

- You must have cluster administrator privileges to perform this task.
- The target aggregate must be mirrored and should not be in the degraded state.
- The available space in the target aggregate must be larger than the metadata volume that you are moving.

Steps

1. Set the privilege level to advanced:

```
set -privilege advanced
```

2. Identify the metadata volume that should be moved:

```
volume show MDV_CRS*
```

```

Cluster_A::*> volume show MDV_CRS*
Vserver    Volume                Aggregate      State      Type      Size
Available Used%
-----
Cluster_A
MDV_CRS_14c00d4ac9f311e7922800a0984395f1_A
Node_A_1_aggr1
online     RW        10GB
9.50GB    5%
Cluster_A
MDV_CRS_14c00d4ac9f311e7922800a0984395f1_B
Node_A_2_aggr1
online     RW        10GB
9.50GB    5%
Cluster_A
MDV_CRS_15035e66c9f311e7902700a098439625_A
Node_B_1_aggr1
-          RW        -
-          -
Cluster_A
MDV_CRS_15035e66c9f311e7902700a098439625_B
Node_B_2_aggr1
-          RW        -
-          -
4 entries were displayed.

Cluster_A::>

```

3. Identify an eligible target aggregate:

metrocluster check config-replication show-aggregate-eligibility

The following command identifies the aggregates in cluster_A that are eligible to host metadata volumes:

```
Cluster_A::*> metrocluster check config-replication show-aggregate-eligibility
```

```
Aggregate Hosted Config Replication Vols Host Addl Vols Comments
-----
Node_A_1_aggr0 - false Root Aggregate
Node_A_2_aggr0 - false Root Aggregate
Node_A_1_aggr1 MDV_CRS_1bc7134a5ddf11e3b63f123478563412_A true -
Node_A_2_aggr1 MDV_CRS_1bc7134a5ddf11e3b63f123478563412_B true -
Node_A_1_aggr2 - true
Node_A_2_aggr2 - true
Node_A_1_Aggr3 - false Unable to determine available space of aggregate
Node_A_1_aggr5 - false Unable to determine mirror configuration
Node_A_2_aggr6 - false Mirror configuration does not match requirement
Node_B_1_aggr4 - false NonLocal Aggregate
```



In the previous example, Node_A_1_aggr2 and Node_A_2_aggr2 are eligible.

4. Start the volume move operation:

```
volume move start -vserver svm_name -volume metadata_volume_name -destination  
-aggregate destination_aggregate_name
```

The following command moves metadata volume MDV_CRS_14c00d4ac9f311e7922800a0984395f1 from aggregate Node_A_1_aggr1 to aggregate Node_A_1_aggr2:

```
Cluster_A::*> volume move start -vserver svm_cluster_A -volume  
MDV_CRS_14c00d4ac9f311e7922800a0984395f1  
-destination-aggregate aggr_cluster_A_02_01  
  
Warning: You are about to modify the system volume  
"MDV_CRS_9da04864ca6011e7b82e0050568be9fe_A". This may cause  
severe  
performance or stability problems. Do not proceed unless  
directed to  
do so by support. Do you want to proceed? {y|n}: y  
[Job 109] Job is queued: Move  
"MDV_CRS_9da04864ca6011e7b82e0050568be9fe_A" in Vserver  
"svm_cluster_A" to aggregate "aggr_cluster_A_02_01".  
Use the "volume move show -vserver svm_cluster_A -volume  
MDV_CRS_9da04864ca6011e7b82e0050568be9fe_A" command to view the status  
of this operation.
```

5. Verify the state of the volume move operation:

```
volume move show -volume vol_constituent_name
```

6. Return to the admin privilege level:

```
set -privilege admin
```

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