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PROFESSIONAL SERVICES TECH NOTE #064

Managing Duplicate Aggregate or Volume Names

The Concept

When consolidating multiple storage systems into one system or cluster, it is common to end up with duplicate aggregate and volume names. Data ONTAP prevents conflicts by attaching a numeric prefix to all duplicate names – i.e., rootvol(1). However, it is impossible to rename an aggregate/volume with parentheses in the name so the primary must be renamed. ONTAP will then drop the prefix on vol(1) and decrement vol(2) to vol(1) and so on. The selection of which aggregate or volume (local or foreign) is designated as primary appears to be random. You will have to differentiate the volumes/aggregates by their size or by accessing their contents.

Examples

```
fas1> vol status
vol_data      online      raid_dp, flex      create_ucose=on
vol_data(1)   online      raid_dp, flex      create_ucose=on
vol_data(2)   online      raid_dp, flex      create_ucose=on

fas1> vol rename vol_data vol_data_orig
fas1> vol status
vol_data_orig  online      raid_dp, flex      create_ucose=on
vol_data       online      raid_dp, flex      create_ucose=on
vol_data(1)    online      raid_dp, flex      create_ucose=on
```

What It Means To You

When performing a system consolidation or physically moving an aggregate, the best practice is to identify name conflicts and rename the aggregate(s) and volume(s) prior to removing them from the old system. To complete the consolidation of volumes into the receiving system you will need to update the CIFS shares and /etc/exports for NFS volumes. The best way to prevent name conflicts is a naming scheme applicable to current and future storage systems (enterprise customers often include a city tag in the name to identify branch offices):

Block out a range of numbers for each system:

FAS1: aggr_SATA_001 - 499
vol_001 – 499

FAS2: aggr_SAS_501 - 999
vol_500 – 999

FAS3: aggr_Dallas_FC_1000 – 1499
vol_Dallas_1000 - 1499

Use suffixes based on system name:

FAS1: aggr_SATA_1001
vol_1001

FAS2: aggr_SAS_2001
vol_2001

FAS3: aggr_Miami_FC_3001
vol_Miami_3001

More Information

Data ONTAP 7.3.3 Storage Management Guide: How you manage duplicate volume names

<https://now.netapp.com/NOW/knowledge/docs/ontap/rel733/html/ontap/smg/GUID-8AF533ED-4D0E-4953-A61C-535169B515B6.html>

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