



PROFESSIONAL SERVICES TECH NOTE #031

Snapshot Autodelete

The Concept

In addition to volume autogrow, Data ONTAP 7.1 introduced automatic deletion of snapshots to further automate space management. When enabled on a volume, this command will automatically delete snapshots when the volume, or the volume's snapshot reserve, is nearly full (98%). Which snapshots in the volume are deleted and in which order is defined by a user policy.

Examples

```
fas1> snap autodelete <volname> [on | off ] – enable/disable snapshot autodelete on the specified volume
```

```
fas1> snap autodelete vol05 trigger snap_reserve delete_order oldest_first
```

What It Means To You

The primary purpose of Snapshot autodelete is to prevent snapshot data from extending beyond the snapshot reserve into the data space of the volume. It can also be used to ensure a current snapshot can always be taken by sacrificing old snapshots (this is especially important for volumes managed by SnapManager). This function may also be used on thin provisioned volumes containing LUNs where the space reserve is set to less than 100%.

More Information

The Data ONTAP Online Backup Guide explains all the trigger options and values:

http://now.netapp.com/NOW/knowledge/docs/ontap/rel7311_vs/html/ontap/onlinebk/protecting/task/t_oc_prot_snapshots-auto-delete.html#t_oc_prot_snapshots-auto-delete

This knowledge Base article also contains useful information:

<https://now.netapp.com/Knowledgebase/solutionarea.asp?id=kb6954>

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