Promote data to the performance tier

ONTAP 9

NetApp
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Promote data to the performance tier

Promote data to the performance tier overview

Beginning with ONTAP 9.8, if you are a cluster administrator at the advanced privilege level, you can proactively promote data to the performance tier from the cloud tier using a combination of the tiering-policy and the cloud-retrieval-policy setting.

About this task

You might do this if you want to stop using FabricPool on a volume, or if you have a snapshot-only tiering policy and you want to bring restored Snapshot copy data back to the performance tier.

Promote all data from a FabricPool volume to the performance tier

You can proactively retrieve all data on a FabricPool volume in the Cloud and promote it to the performance tier.

Step
1. Use the **volume modify** command to set **tiering-policy** to **none** and **cloud-retrieval-policy** to **promote**.

```bash
volume modify -vserver <vserver-name> -volume <volume-name> -tiering-policy none -cloud-retrieval-policy promote
```

Promote file system data to the performance tier

You can proactively retrieve active file system data from a restored Snapshot copy in the cloud tier and promote it to the performance tier.

Step
1. Use the **volume modify** command to set **tiering-policy** to **snapshot-only** and **cloud-retrieval-policy** to **promote**.

```bash
volume modify -vserver <vserver-name> -volume <volume-name> -tiering-policy snapshot-only -cloud-retrieval-policy promote
```

Check the status of a performance tier promotion

You can check the status of performance tier promotion to determine when the operation is complete.
Step
1. Use the `volume object-store` command with the `tiering` option to check the status of the performance tier promotion.

```bash
volume object-store tiering show [-instance | -fields <fieldname>, ...] [-vserver <vserver name>] *VServer
[ -aggregate <aggregate name>] *Aggregate Name
```

```
volume object-store tiering show v1 -instance

  Vserver: vs1
  Volume: v1
  Node Name: node1
  Volume DSID: 1023
  Aggregate Name: a1
  State: ready
  Previous Run Status: completed
  Aborted Exception Status: -
  Time Scanner Last Finished: Mon Jan 13 20:27:30 2020
  Scanner Percent Complete: -
  Scanner Current VBN: -
  Scanner Max VBNs: -
  Time Waiting Scan will be scheduled: -
  Tiering Policy: snapshot-only
  Estimated Space Needed for Promotion: -
  Time Scan Started: -
  Estimated Time Remaining for scan to complete: -
  Cloud Retrieve Policy: promote
```

**Trigger scheduled migration and tiering**

Beginning with ONTAP 9.8, you can trigger a tiering scan request at any time when you prefer not to wait for the default tiering scan.

Step
1. Use the `volume object-store` command with the `trigger` option to request migration and tiering.

```bash
volume object-store tiering trigger [-vserver <vserver name>] *VServer
Name [-volume] <volume name> *Volume Name
```