Promote data to the performance tier

ONTAP 9

NetApp
December 04, 2021

Table of Contents

Promote data to the performance tier

Promote data to the performance tier overview

Starting in 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`.

```
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`.

```
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.

```
volume object-store tiering show [ -instance | -fields <fieldname>, ...
] [ -vserver <vserver name> ] *Vserver
[[-volume] <volume name>] *Volume [ -node <nodename> ] *Node Name [ -vol
-dsid <integer> ] *Volume DSID
[ -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

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.

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