



# **Promote data to the performance tier**

## **ONTAP 9**

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# Table of Contents

- Promote data to the performance tier. . . . . 1
  - Promote data to the performance tier overview . . . . . 1
  - Promote all data from a FabricPool volume to the performance tier . . . . . 1
  - Promote file system data to the performance tier . . . . . 1
  - Check the status of a performance tier promotion . . . . . 1
  - Trigger scheduled migration and tiering . . . . . 2

# 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`.

```
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 tiering show` 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

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 tiering trigger` 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
```

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