



# **Object tagging using user-created custom tags**

**ONTAP 9**

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# Object tagging using user-created custom tags

## Object tagging using user-created custom tags overview

Beginning with ONTAP 9.8, FabricPool supports object tagging using user-created custom tags to enable you to classify and sort objects for easier management. If you are a user with the admin privilege level, you can create new object tags, and modify, delete, and view existing tags.

## Assign a new tag during volume creation

You can create a new object tag when you want to assign one or more tags to new objects that are tiered from a new volume you create.

### About this task

- A maximum of 4 tags per volume is allowed
- Each object tag must be a key-value pair separated by an equal sign ("")
- Multiple tags must be separated by a comma ("")
- Each tag value can contain a maximum of 127 characters
- Each tag key must start with either an alphabetic character or an underscore.

Keys must contain only alphanumeric characters and underscores, and the maximum number of characters allowed is 127.

### Step

1. Use the `volume create` command with the `-tiering-object-tags` option to create a new volume with the specified tags. You can specify multiple tags in comma-separated pairs:

```
volume create [ -vserver <vserver name> ] -volume <volume_name> -tiering
-object-tags <key1=value1> [
    ,<key2=value2>,<key3=value3>,<key4=value4> ]
```

The following example creates a volume named `fp_volume1` with three object tags.

```
vol create -volume fp_volume1 -vserver vs0 -tiering-object-tags
project=fabricpool,type=abc,content=data
```

## Modify an existing tag

You can change the name of a tag, replace tags on existing objects in the object store, or add a different tag to new objects that you plan to add later.

## About this task

Using the `volume modify` command with the `-tiering-object-tags` option replaces existing tags with the new value you provide.

### Step

1. Use the `volume modify` command with the `-tiering-object-tags` option to modify an existing tag.

```
volume modify [ -vserver <vserver name> ] -volume <volume_name> -tiering-object-tags <key1=value1> [ ,<key2=value2>,<key3=value3>,<key4=value4> ]
```

The following example changes the name of the existing tag `type=abc` to `type=xyz`.

```
vol create -volume fp_volume1 -vserver vs0 -tiering-object-tags project=fabricpool,type=xyz,content=data
```

## Delete a tag

You can delete object tags when you no longer want them set on a volume or on objects in the object store.

### Step

1. Use the `volume modify` command with the `-tiering-object-tags` option followed by an empty value (`""`) to delete an existing tag.

The following example deletes the existing tags on `fp_volume1`.

```
vol modify -volume fp_volume1 -vserver vs0 -tiering-object-tags ""
```

## View existing tags on a volume

You can view the existing tags on a volume to see what tags are available before appending new tags to the list.

### Step

1. Use the `volume show` command with the `-tiering-object-tags` option to view existing tags on a volume.

```
volume show [ -vserver <vserver name> ] -volume <volume_name> -fields -tiering-object-tags
```

# Check object tagging status on FabricPool volumes

You can check if tagging is complete on one or more FabricPool volumes.

## Step

1. Use the `vol show` command with the `-fieldsneeds-object-retagging` option to see if tagging is in progress, if it has completed, or if tagging is not set.

```
vol show -fields needs-object-retagging [ -instance | -volume <volume name>]
```

One of the following values is displayed:

- `true` — the object tagging scanner has not yet to run or needs to run again for this volume
- `false` — the object tagging scanner has completed tagging for this volume
- `<->` — the object tagging scanner is not applicable for this volume. This happens for volumes that are not residing on FabricPools.

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