



# **autobalance volume commands**

## ONTAP 9.3 commands

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# autobalance volume commands

## autobalance volume rebalance show

Display Auto Balance Volume progress for an Infinite Volume

**Availability:** This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

### Description

The `autobalance volume rebalance show` command displays information about Auto Balance Volume operations for an Infinite Volume. The command output depends on the parameter or parameters specified with the command. The `autobalance volume rebalance show` command is only supported for Infinite Volumes.

### Parameters

**{ [-fields <fieldname>,...]**

This specifies the fields that need to be displayed.

**| [-instance ] }**

If this parameter is specified, the command displays information about all entries.

**[-vserver <vserver name>] - Vserver**

If this parameter is specified, the command displays information about capacity balancing for each Infinite Volume and storage service on the specified Vserver.

**[-volume <volume name>] - Volume Name**

If this parameter is specified, the command displays information about capacity balancing for each storage service on the specified Infinite Volume.

**[-storage-service <storage service name>] - Storage Service**

If this parameter is specified, the command displays information about capacity balancing for the specified storage-service.

**[-state <Auto Balance Volume state>] - State**

If this parameter is specified, the command displays information about operations in the specified state.

**[-progress <text>] - Progress**

If this parameter is specified, the command displays information about operations with the specified progress.

**[-transferred {<integer>[KB|MB|GB|TB|PB]}] - Amount Transferred**

If this parameter is specified, the command displays information about operations with the specified amount already transferred.

**[-target {<integer>[KB|MB|GB|TB|PB]}] - Target Amount**

If this parameter is specified, the command displays information about operations with the specified target amount of data to transfer.

## **[`-transferred-percent <percent_no_limit>`] - Percentage Transferred**

If this parameter is specified, the command displays information about operations with the specified percentage of the transfer complete.

## **Examples**

The following example displays information about all operations on the Vserver named `vs0`:

```
cluster1::*> autobalance volume rebalance show -vserver vs1
Storage                               Percent
Vserver                               Volume      Service    State    Target  Transferred
-----
vs0                                   repo_vol   -          running  36.44TB  8%
```

The following example displays information about all operations on the `gold` storage service on the Infinite Volume named `repo_vol` on the Vserver named `vs1`:

```
cluster1::*> autobalance volume show rebalance -vserver vs1 -volume
repo_vol -storage-service gold
Storage                               Percent
Vserver                               Volume      Service    State    Target  Transferred
-----
vs1                                   repo_managed gold      running  17.22TB  18%
vs1                                   repo_managed silver   complete  19.25TB  100%
```

## **autobalance volume rebalance start**

Start Auto Balance Volume for an Infinite Volume

**Availability:** This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

### **Description**

The `autobalance volume rebalance start` command allows the user to start Auto Balance Volume and rebalance the used data capacity in an Infinite Volume after files are created. Auto Balance Volume moves data between data constituents of an Infinite Volume. If the Infinite Volume uses storage services, Auto Balance Volume moves data between data constituents of a storage service in an Infinite Volume. Auto Balance Volume ensures that all data constituents in an Infinite Volume or all data constituents in a storage service of an Infinite Volume have similar amounts of used data capacity. The `autobalance volume rebalance start` command is only supported for Infinite Volumes.

### **Parameters**

**`-vserver <vserver name>` - Vserver**

This specifies the Vserver on which the Infinite Volume to be rebalanced is located.

### **-volume <volume name> - Volume Name**

This specifies the Infinite Volume to be rebalanced.

### **-storage-service <storage service name> - Storage Service**

If the Infinite Volume uses storage services, the ``storage-service`` parameter is required to specify the storage service to be rebalanced. If the Infinite Volume does not use storage services, the ``storage-service`` parameter cannot be specified, and the entire Infinite Volume will be rebalanced.

### **[-timeout <integer>] - Requisition Timeout (seconds)**

The maximum number of seconds Auto Balance Volume will permit an operation to continue without moving files, before moving the operation to the `complete` state.

## **Examples**

The following example starts rebalancing used capacity in the gold storage service for an Infinite Volume named vol:

```
cluster1::*> autobalance volume rebalance start
               -vserver vs0 -volume vol -storage-service gold
```

The following example starts rebalancing used capacity in an Infinite Volume named vol:

```
cluster1::*> autobalance volume rebalance start
               -vserver vs1 -volume vol
```

## **autobalance volume rebalance stop**

### **Stop Auto Balance Volume for an Infinite Volume**

**Availability:** This command is available to *cluster* and *Vserver* administrators at the *advanced* privilege level.

### **Description**

The `autobalance volume rebalance stop` command allows the user to stop Auto Balance Volume. The `autobalance volume rebalance stop` command is only supported for Infinite Volumes.

### **Parameters**

#### **-vserver <vserver name> - Vserver**

This specifies the Vserver on which the Infinite Volume being rebalanced is located.

#### **-volume <volume name> - Volume Name**

This specifies the Infinite Volume being rebalanced.

#### **-storage-service <storage service name> - Storage Service**

If the Infinite Volume being rebalanced uses storage services, the ``storage-service`` parameter is required to specify the storage service being rebalanced. If the Infinite Volume being rebalanced does not use

storage services, the `storage-service` parameter cannot be specified because the entire Infinite Volume is being rebalanced.

## Examples

The following example stops rebalancing used capacity for the gold storage service for an Infinite Volume named vol:

```
cluster1:*> autobalance volume rebalance stop  
             -vserver vs0 -volume vol -storage-service gold
```

The following example stops rebalancing used capacity for an Infinite Volume named vol:

```
cluster1:*> autobalance volume rebalance stop  
             -vserver vs1 -volume vol
```

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