volume encryption commands

ONTAP commands

NetApp
February 04, 2026

This PDF was generated from https://docs.netapp.com/us-en/ontap-cli-97/volume-encryption-conversion-pause.html on February 04, 2026. Always check docs.netapp.com for the latest.

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volume encryption commands

volume encryption conversion pause

Pause a running volume encryption conversion operation

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

Description

The `volume encryption conversion pause` command pauses the running encryption conversion operation on a volume.

Parameters

`-vserver <vserver name>` - Vserver Name

This parameter specifies the Vserver on which the volume is located.

`-volume <volume name>` - Volume Name

This parameter specifies the name of the volume being encrypted.

`[-ignore-warning {true|false}]` - Ignore Warning for Conversion Pause

If this parameter is set, the command ignores the confirmation message.

Examples

volume encryption conversion resume

Resume a paused volume encryption conversion operation

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

Description

The `volume encryption conversion resume` command resumes the paused encryption conversion operation on a volume.

Parameters

`-vserver <vserver name>` - Vserver Name

This parameter specifies the Vserver on which the volume is located.

`-volume <volume name>` - Volume Name

This parameter specifies the name of the volume being encrypted.

Examples

volume encryption conversion show

Show status of a volume encryption conversion

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

Description

The `volume encryption conversion show` command displays information about volume encryption conversion in the cluster. By default, with no parameters, it only shows volume encryption operations that have failed or are currently running. The command display output depends on the parameters passed. If `-vserver` and `-volume` are specified, the following information is displayed:

- Vserver Name: The Vserver on which the volume is located.
- Volume Name: The volume that is part of a completed or running volume move operation.
- Start Time: The date and time when the volume encryption operation was started.
- Status of Operation: The status of the operation.
- Percentage Completed: The amount of work to encrypt the volume completed thus far in terms of percentage.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <vserver name>] - Vserver Name

This parameter specifies the Vserver on which the volume is located.

[-volume <volume name>] - Volume Name

This parameter specifies the name of the volume being encrypted.

[-start-time <MM/DD/YYYY HH:MM:SS>] - Start Time

If this parameter is specified, the command displays encryption operations that match the specified date and time in the cluster time zone when the volume move operation started.

[-status <text>] - Status

If this parameter is specified, the command displays encryption operations that match the specified status of the encryption operation.

Examples

The following example shows a sample output for this command:

```
cluster1::> volume encryption conversion show

Vserver    Volume       Start Time            Status
---------- ------------ --------------------- ----------------------
vs1        p2           9/18/2017 17:44:36    Phase 2 of 2 (redirect
                                              scan) is in progress.
```

volume encryption conversion start

Start a volume encryption conversion operation

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

Description

The `volume encryption conversion start` command converts a non-encrypted volume to encrypted volume.

Parameters

`-vserver <vserver name>` - Vserver Name

This parameter specifies the Vserver on which the volume is located.

`-volume <volume name>` - Volume Name

This parameter specifies the name of the volume being encrypted.

`[-ignore-warning {true|false}]` - Ignore Warning for Conversion Start

If this parameter is set, the command ignores the confirmation message.

Examples

volume encryption rekey pause

Pause a running volume encryption rekey operation

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

Description

The `volume encryption rekey pause` command pauses the running encryption rekey operation on a volume.

Parameters

`-vserver <vserver name>` - Vserver Name

This parameter specifies the Vserver on which the volume is located.

-volume <volume name> - Volume Name

This parameter specifies the name of the volume being encrypted.

[-ignore-warning {true|false}] - Ignore Warning for Rekey Pause

If this parameter is set, the command ignores the confirmation message.

Examples

volume encryption rekey resume

Resume a paused volume encryption rekey operation

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

Description

The `volume encryption rekey resume` command resumes the paused encryption rekey operation on a volume.

Parameters

-vserver <vserver name> - Vserver Name

This parameter specifies the Vserver on which the volume is located.

-volume <volume name> - Volume Name

This parameter specifies the name of the volume being encrypted.

Examples

volume encryption rekey show

Show status of a volume encryption rekey

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

Description

The `volume encryption rekey show` command displays information about volume encryption rekey in the cluster. By default, with no parameters, it only shows volume encryption rekey operations that have failed or are currently running. The command display output depends on the parameters passed. If `-vserver` and `-volume` are specified, the following information is displayed:

- Vserver Name: The Vserver on which the volume is located.
- Volume Name: The volume that is part of a completed or running volume move operation.
- Start Time: The date and time when the volume encryption operation was started.
- Status of Operation: The status of the operation.
- Percentage Completed: The amount of work to encrypt the volume completed thus far in terms of percentage.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <vserver name>] - Vserver Name

This parameter specifies the Vserver on which the volume is located.

[-volume <volume name>] - Volume Name

This parameter specifies the name of the volume being encrypted.

[-start-time <MM/DD/YYYY HH:MM:SS>] - Start Time

If this parameter is specified, the command displays encryption operations that match the specified date and time in the cluster time zone when the volume move operation started.

[-status <text>] - Status

If this parameter is specified, the command displays encryption operations that match the specified status of the encryption operation.

Examples

The following example shows a sample output for this command:

```
cluster1::> volume encryption rekey show

Vserver    Volume       Start Time            Status
---------- ------------ --------------------- ----------------------
vs1        vol2         9/18/2017 17:51:41    Phase 2 of 2 (redirect
                                              scan) is in progress.
```

volume encryption rekey start

Start a volume encryption rekey operation

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

Description

The `volume encryption rekey start` command changes the encryption key of a volume.

Parameters

-vserver <vserver name> - Vserver Name

This parameter specifies the Vserver on which the volume is located.

-volume <volume name> - Volume Name

This parameter specifies the name of the volume being rekeyed.

[-ignore-warning {true|false}] - Ignore Warning for Rekey Start

If this parameter is set, the command ignores the confirmation message.

Examples

volume encryption secure-purge abort

Abort secure deletion of trash in existing volume

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

Description

The `volume encryption secure-purge abort` command aborts the secure purge operation on a volume.

Parameters

-vserver <vserver name> - Vserver (privilege: advanced)

This parameter specifies the Vserver on which the volume is located.

-volume <volume name> - Volume (privilege: advanced)

This parameter specifies the name of the volume being encrypted.

Examples

volume encryption secure-purge show

Show status of secure-purge operation on a volume

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

Description

The `volume encryption secure-purge show` command displays information about volume encryption securepurge operation in the cluster.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <vserver name>] - Vserver (privilege: advanced)

This parameter specifies the Vserver on which the volume is located.

[-volume <volume name>] - Volume (privilege: advanced)

This parameter specifies the name of the volume being secure purged.

[-status {invalid|initializing|snapshots-deleting|snapshots-deleted|zombies-draining|zombies-drained|batched-free-log-draining|batched-free-log-drained|finishing-trash-purge|finished-trash-purge|reencrypting|aborting|aborted|success|failure}] - Status (privilege: advanced)

This parameter displays the status of the secure purge operation.

Examples

The following example shows a sample output for this command:

```
cluster1::> volume encryption secure-purge show
Vserver       Volume          Secure Purge Phase
-----------   -------------   ----------------------
vs1           vol1            reencrypting
```

volume encryption secure-purge start

Start secure deletion of trash in existing volume

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

Description

The `volume encryption secure-purge start` command performs secure purge of encrypted volume.

Parameters

-vserver <vserver name> - Vserver (privilege: advanced)

This parameter specifies the Vserver on which the volume is located.

-volume <volume name> - Volume (privilege: advanced)

This parameter specifies the name of the volume being encrypted.

Examples

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