



Volume pairs

Element Software

NetApp

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Volume pairs

Volume pair details

The Volume Pairs page on the Data Protection tab provides information about volumes that have been paired or are in the process of being paired. The system displays pairing and progress messages in the Volume Status column.

- **ID**

System-generated ID for the volume.

- **Name**

The name given to the volume when it was created. Volume names can be up to 223 characters and contain a-z, 0-9, and dash (-).

- **Account**

Name of the account assigned to the volume.

- **Volume Status**

Replication status of the volume

- **Snapshot Status**

Status of the snapshot volume.

- **Mode**

The client write replication method. Possible values are as follows:

- Async
- Snapshot-Only
- Sync

- **Direction**

The direction of the volume data:

- Source volume icon (➡) indicates data is being written to a target outside the cluster.
- Target volume icon (←) indicates data is being written to the local volume from an outside source.

- **Async Delay**

Length of time since the volume was last synced with the remote cluster. If the volume is not paired, the value is null.

- **Remote Cluster**

Name of the remote cluster on which the volume resides.

- **Remote Volume ID**

Volume ID of the volume on the remote cluster.

- **Remote Volume Name**

Name given to the remote volume when it was created.

Volume pairing messages

You can view volume pairing messages during the initial pairing process from the Volume Pairs page under the Data Protection tab. These messages can display on both source and target ends of the pair in the Replicating Volumes list view.

- **PausedDisconnected**

Source replication or sync RPCs timed out. Connection to the remote cluster has been lost. Check network connections to the cluster.

- **ResumingConnected**

The remote replication sync is now active. Beginning the sync process and waiting for data.

- **ResumingRRSync**

A single helix copy of the volume metadata is being made to the paired cluster.

- **ResumingLocalSync**

A double helix copy of the volume metadata is being made to the paired cluster.

- **ResumingDataTransfer**

Data transfer has resumed.

- **Active**

Volumes are paired and data is being sent from the source to the target volume and the data is in sync.

- **Idle**

No replication activity is occurring.

Volume pairing warnings

The Volume Pairs page on the Data Protection tab provides these messages after you pair volumes. These messages can display on both source and target ends of the pair (unless otherwise indicated) in the Replicating Volumes list view.

- **PausedClusterFull**

Because the target cluster is full, source replication and bulk data transfer cannot proceed. The message

displays on the source end of the pair only.

- **PausedExceededMaxSnapshotCount**

The target volume already has the maximum number of snapshots and cannot replicate additional snapshots.

- **PausedManual**

Local volume has been manually paused. It must be unpaused before replication resumes.

- **PausedManualRemote**

Remote volume is in manual paused mode. Manual intervention required to unpause the remote volume before replication resumes.

- **PausedMisconfigured**

Waiting for an active source and target. Manual intervention required to resume replication.

- **PausedQoS**

Target QoS could not sustain incoming IO. Replication auto-resumes. The message displays on the source end of the pair only.

- **PausedSlowLink**

Slow link detected and stopped replication. Replication auto-resumes. The message displays on the source end of the pair only.

- **PausedVolumeSizeMismatch**

Target volume is not the same size as the source volume.

- **PausedXCopy**

A SCSI XCOPY command is being issued to a source volume. The command must complete before replication can resume. The message displays on the source end of the pair only.

- **StoppedMisconfigured**

A permanent configuration error has been detected. The remote volume has been purged or unpaired. No corrective action is possible; a new pairing must be established.

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