Release notes

Cloud Volumes Service

NetApp
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Table of Contents

Release notes 1
What's new in Cloud Volumes Service for AWS 1
Known Issues and limitations 2

Release notes

What's new in Cloud Volumes Service for AWS

NetApp periodically updates Cloud Volumes Service for AWS to bring you new features and enhancements.

February 2021

- A new Cloud Volumes API (`PerformanceMetrics`) is now available to retrieve performance statistics including IOPS, Bandwidth, and Latency. To learn more, see Cloud Volumes APIs.

July 2020

- The Cloud Volumes Service now supports wider RFC 1918 private network ranges between /16 and /28. Previously only /28 ranges where supported.
- The 'Sync' feature now integrates directly with the Cloud Sync UI to provide increased functionality.
- Volumes can be converted to and from NSFv3, NFSv4.1, and both NFSv3 and NFSv4.1 via API calls.
- The API examples and sample Python scripts have been updated to the v2 API. See Cloud Volumes APIs.
- ACLs are now enabled for NFSv4.1 volumes.
- The Cloud Volumes Service is now certified with SOC 2 type 1.
- The Cloud Volumes Service is now available in Singapore (ap-southeast-1).

March 2020

- Cloud Volumes Service now supports a maximum I/O size of 1 MiB for NFSv3 and NFSv4.1 mounts. Previously the maximum I/O size was 64 KiB. Increasing the I/O size may improve performance for some workloads.
  To increase the I/O size, use the mount options "rsize" and/or "wsize", for example:
  `mount -o nfsvers=4.1,rsize=1048576,wsize=1048576 172.25.0.4:/vol1 /mnt/cv`

February 2020

- Cloud Volumes Service is now available as a Metered (pay as you go) subscription in the AWS Marketplace. See the Marketplace listing for more details at: https://aws.amazon.com/marketplace/pp/B0848MXK74
  Note that the original monthly and annual subscription plans are still available.

January 2020

- Cloud Volumes Service now supports SMB multichannel which uses multiple network connections simultaneously to provide increased performance. Multichannel is enabled by default on Windows clients, but requires that the EC2 instance uses a network adapter that support RSS (Receive Side Scaling).
- Reverting a volume from a snapshot is now available from the Cloud Volumes Service user interface. This enables you to revert volumes to a point in time snapshot without requiring clients to remount. See Reverting a volume from a snapshot for details.

Known Issues and limitations

The following known issues and limitations exist in Cloud Volumes Service for AWS.

- **Issue**: If an existing volume only supports NFSv3, and a volume is created or converted with NFSv4.1 or both NFSv3 and NFSv4.1 support, then the existing volume may not be mountable without specifying the NFS version (vers=3).

  Workaround: Either add the option to specify the NFS version to the mount command, for example, `mount -o vers=3 …` or ensure all volumes are converted to support NFSv4.1. Note that Linux clients will default to NFSv4.1 unless the version is specified.

- **Issue**: Creating a new volume from a snapshot may fail with the message 'Unable to set volume attribute "files" for volume *<volume>* … Reason: New count must be larger than current allocated count of *<number>*'.

  Workaround: This issue occurs when trying to create a volume from a snapshot that currently has more files allocated to it than the new volume would be assigned for its allocated capacity. You must increase the allocated capacity for the new volume to assign enough files (inodes). See Selecting the allocated capacity for details.

- **Issue**: The network virtual interfaces will be deleted automatically in CVS regions that have no volumes after 72 hours. When creating a new volume, you will need to re-provide the AWS account # and CIDR.

  Workaround: To avoid the network virtual interfaces from being deleted during periods of inactivity, leave at least one volume and lower the allocation and service level to minimize cost.

- **Issue**: Users with expired subscriptions cannot log in to the Cloud Volumes Service user interface or interact with the API.

  Workaround: Go to the AWS Marketplace page for the Cloud Volumes Service and renew your subscription.

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