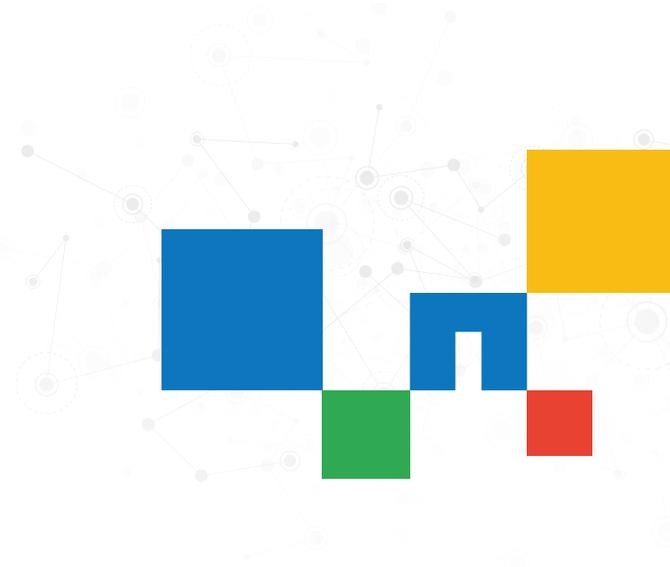


NetApp Cloud Volumes Service for Google Cloud

Fully managed file storage service for enterprise applications in Google Cloud



A Better Way to Manage Windows Workloads in Google Cloud

For organizations running enterprise apps in Google Cloud, or modernizing existing apps and building new ones, the available options for managing SMB requirements in the application's data layer workflows can seem limiting. Factors including data management, availability/reliability, scaling capacity, performance, and cost effectiveness can create barriers to successful implementation.

Public cloud should simplify the management of the data layer, while giving end users control and a seamless experience. That's why NetApp and Google have launched NetApp Cloud Volumes Service for Google Cloud, a fully managed offering supporting both SMB/CIFS for Windows-based workloads and NFS.

Why NetApp Cloud Volumes Service for Google Cloud?

Support for Windows file shares

NetApp Cloud Volumes Service for Google Cloud simplifies the deployment and management of Windows file share in the cloud. The service is 70% less expensive¹ compared to roll your own Windows servers on Google Cloud.

High performance & low latency

With consistently high performance over 450k IOPS, Cloud Volumes Service provides shared persistent storage with high throughput and low latency, easily meeting the demands of large-scale application environments.

Increased resilience with snapshots

NetApp[®] Snapshot[™] technology lets you automate or manually create point-in-time representations of your data for restoring databases or shared file systems without downtime. Snapshots are simple and nondisruptive, creating a read-only view that enables applications to access older file versions and directory hierarchies without additional workflows.

Speed up time-to-market

Most organizations need multiple copies of their data for testing and development. Cloud Volumes Service for Google Cloud lets you create near-instant copies using snapshots, significantly improving the release cycle from development to stage and production.

Key Benefits

- Improves performance with high throughput and low latency for large-scale application environments.
- Increases resiliency and speeds up time-to-market with NetApp Snapshot[™] technology for fast, reliable backups and copies.
- Delivers high availability and cost savings with a regional design mitigating the need for a zonal Linux cluster.
- Increases data security, encrypting data without compromising storage application performance.
- Creates average cost savings of up to 70%¹ by allowing dynamic adjustment of performance among three service levels.
- Increases security and automation with features including Active Directory integration, Global API, and granular roles.

High availability

Cloud Volumes Service is regional, allowing application instances in any of the Google Cloud zones in each region to access the same NFS volume without the need to create and manage a zonal Linux cluster. This design helps to avoid unnecessary zonal egress charges and delivers service unaffected by zonal outages.

Security and encryption

At-rest encryption, relying on the XTS-AES 256-bit encryption algorithm, encrypts data without compromising storage application performance. Additionally, NetApp's separation of the control plane and data plane give you increased control and security. This single-source solution can increase your organization's overall regulatory compliance without compromising user experience.

Complete performance control

Control your volume's throughput needs dynamically by adjusting volume allocation size or your volume's service across three tiers of performance. This guarantees performance as your data access needs grow and shrink over time.

NetApp Cloud Volumes Service for Google Cloud allows you to choose and automate performance levels on demand without impacting availability to applications or experience, resulting in significant cost savings at scale.

Additional Features

Active Directory integration

Securely create and control access to SMB volumes when you leverage the built-in Active Directory (AD) integration.

Global, user-accessible API

Provision cloud volumes as part of an automated application-deployment package, create application-consistent snapshots, and use other automation frameworks with a global API.

Granular roles

Cloud Volumes Service supports two granular roles that may be assigned to users or service accounts to increase security and enable automation.

To learn more about Cloud Volumes Services for Google Cloud, contact GetSolvingwithNetApp@NetApp.com

Source:

1. NetApp. (2020). Cloud Volumes Service for Google Cloud.

About NetApp

NetApp is the leader in cloud data services, empowering global organizations to change their world with data. Together with our partners, we are the only ones who can help you build your unique data fabric. Simplify hybrid multicloud and securely deliver the right data, services, and applications to the right people at the right time.

Learn more at www.cloud.netapp.com/googlecloud.

