

SOLUTION BRIEF

NetApp Cloud Volumes Service for Google Cloud



Shared file storage you can depend on for your business-critical enterprise applications.

Data is soaring into the cloud

Data is the #1 asset a business owns. So, when it comes to cloud migration, your storage solution must be secure, performant, and affordable.

IDC predicts that “whole cloud” spending worldwide will exceed \$1.3 trillion by 2025, with as-a-service spending accounting for 64.1%.¹

That’s where we come in.

NetApp + Google Cloud = Better Together

NetApp and Google have co-engineered NetApp® Cloud Volumes Service, a fully managed file storage service that simplifies how you migrate and run business-critical enterprise workloads in the cloud.

Everything you need from two trusted names:

- Multiprotocol support (NFS/SMB/CIFS)
- High performance
- Advanced data management
- Reliability
- Security

Cloud agility meets high-performance data storage

With Cloud Volumes Service, you can migrate workloads to the cloud without refactoring—and it’s easy to manage your shared file storage right from the Google Cloud console.

Use cases include:

- Simplifying Linux & Windows Server file deployments
- Protecting Kubernetes workloads
- Supporting remote access workers
- Protecting enterprise applications data on Google Cloud

Select from—and move among—four service levels (Standard, Standard-SW, Premium, and Extreme) on demand to help manage storage spend.

For Kubernetes, size matters

When it comes to modern applications based on Containers and Kubernetes, very small volumes provide the agility you need. CVS-SW storage pools scale from 1GiB to 100TiB to protect your smaller volume requirements.

Linked together in a single pool, these smaller volumes provide multiprotocol support and work together to emulate a larger volume.

All volumes are run in a primary zone and fail over to a secondary zone. You select which zone is primary and which is secondary.

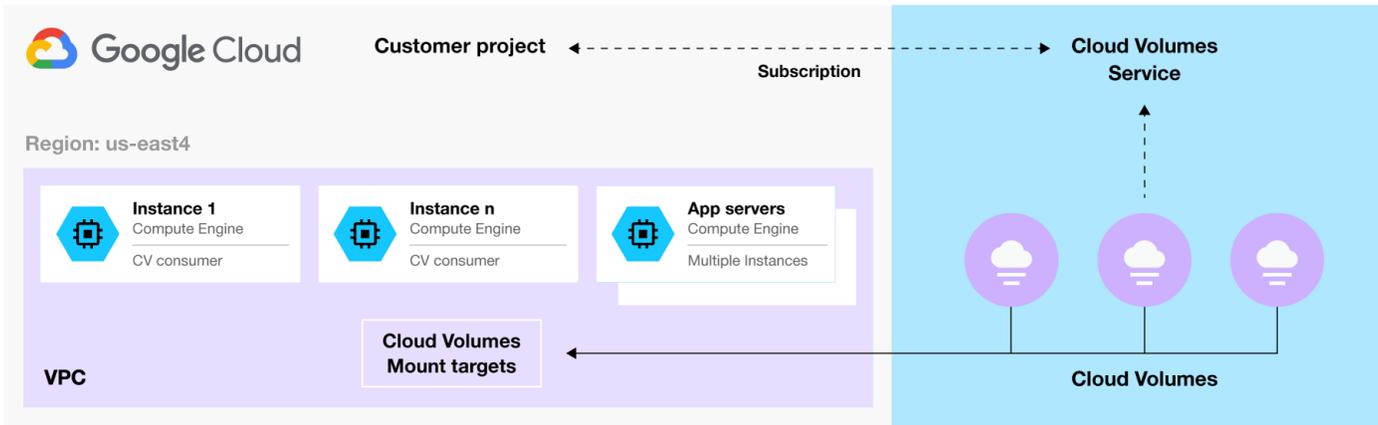
The power of partnership

The NetApp and Google Cloud partnership exists to deliver infrastructure, tools, and services that simplify your cloud journey while significantly reducing the costs of cloud storage.

Google Cloud’s scale, agility, and data protection combined with NetApp’s extensive data management, hybrid cloud services, and three decades of data expertise provide our customers with an unprecedented opportunity to transform their businesses.

You can trust our partnership to deliver the best of both worlds.

| Service levels | MiB throughput /TiB | Workload types |
|--------------------|---------------------|---|
| Standard | 16MiB | General purpose, file shares, email, web |
| Standard-SW | 128MiB | Linux servers and cloud-native applications |
| Premium | 64MiB | Databases, applications |
| Extreme | 128MiB | OLTP high-performance databases |



Build cyber resilience

Today, more than ever, cyber resilience and cybersecurity are crucial to eliminating downtime and ensuring business continuity.

We've got you covered with a wide range of protective features and 99.99% reliability.

Robust and cost-efficient data protection:

- Schedule point-in-time copies of your data with NetApp Snapshot™ technology.
- Replicate a volume that's in one Google Cloud region to another for disaster recovery.
- Deploy a volume across multiple zones in any given region for greater availability.
- Back up volumes to Google Cloud Storage for even more protection.
- Protect against ransomware attacks with multiple layers of encryption, including customer-managed encryption keys.

Cloud Volumes Service can also be configured to use a customer-managed encryption key supplied by Google Cloud Key Management Service, which ensures that data is protected from unauthorized access.

Customer snapshot: Healthcare

For one Fortune 500 global healthcare services provider, legacy systems and the need to reduce costs were making it difficult to operate. Modernization in healthcare safeguards not only patient data, but also patient outcomes.

Cloud Volumes Service was exactly what the doctor ordered, enabling the company to run business-critical SAP applications in Google Cloud—a feat that had previously seemed impossible.

Cloud Volumes Service combined on-premises performance and SLAs with the flexibility of the cloud, including pay-as-you-go pricing and on-demand scalability.

The company, which started by migrating 10TiB to the cloud, quickly expanded to over 100TiB. Without refactoring. In weeks instead of months or years.

Customer snapshot: Retail

A global retail analytics company works with millions of files to help retailers get ahead of the competition and increase profits. This firm enables companies to streamline inventory and other key processes while improving customer experience. And they use the hard data contained within those millions of files to do it.

Cloud Volumes Service provides the security and high performance this company needs to support its compute-intensive analytics.

The customer saves both time and money by automating the process of moving less urgent data to a lower performance tier when it's not in use.

Are you ready to get started?

Cloud Volumes Service makes it easier to run your business-critical enterprise applications in Google Cloud.

Learn how we can transform your business. Or start your free trial now to unlock savings without sacrificing functionality.

About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. www.netapp.com

¹ <https://www.idc.com/getdoc.jsp?containerId=prUS48208321>