

NetApp Cloud Volumes ONTAP

Optimize your cloud storage costs and performance while enhancing data protection, security and compliance with industry-leading data management.

The challenge

Companies across all industries are leveraging cloud to drive business growth and innovation. But despite the fast cloud adoption, the most traditional enterprise applications still run on premises to migrate traditional applications to cloud. Organizations need to modernize applications, acquire new knowledge, and update policies. This makes your cloud journey slow expensive and complex.

The opportunity

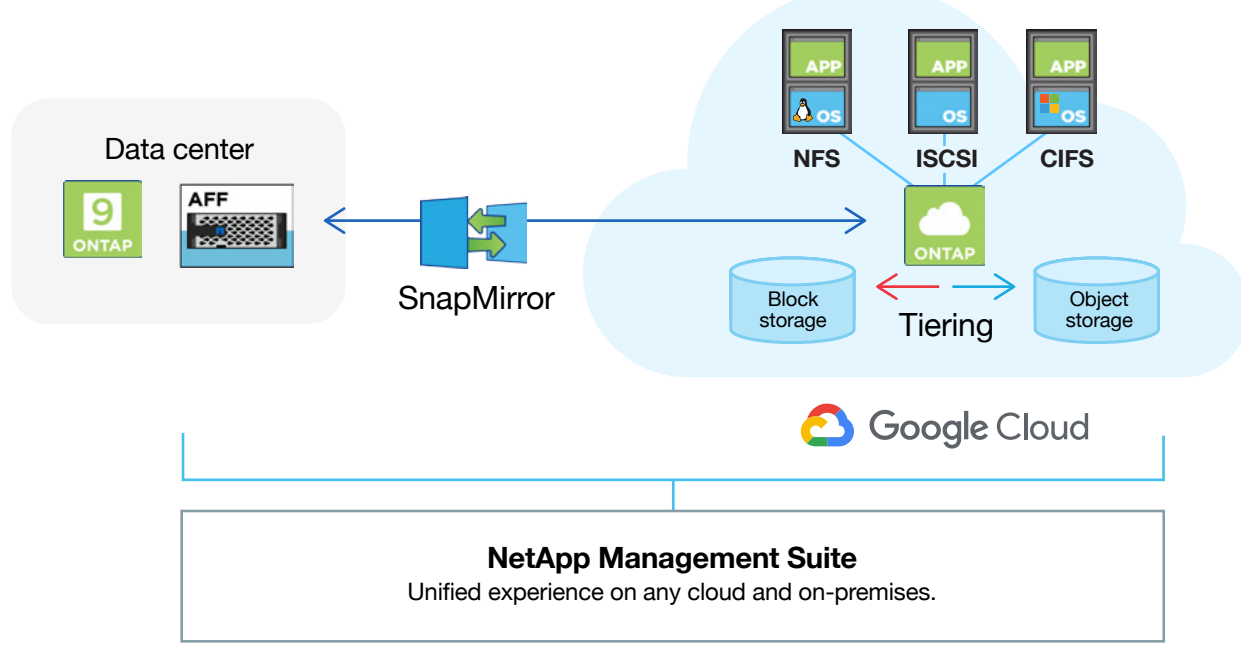
Get the freedom to run traditional and cloud native applications anywhere and move them across the hybrid multi cloud, without redesigning your code, your processes, or your teams. Harness cloud advantages faster, and at lower costs, and get peace of mind, knowing that your data is always available, secure and compliant.

Eight reasons to use NetApp Cloud Volumes ONTAP for Google Cloud

- 1 Cost** - Drastically lower TCO for native cloud storage.
- 2 Performance** - Faster response time on native cloud storage
- 3 Portability** - Simple & fast replication across zones, regions & clouds
- 4 Protection** - Peace of mind your data is always restorable.
- 5 Security** - Built-in data security that you can control.
- 6 Privacy** - Always-on AI-driven privacy compliance controls.
- 7 Flexibility** - Manage storage in AWS, Azure, Google Cloud, or on-premises.
- 8 Availability** - Ensure that data in the cloud is always available.

“As an existing NetApp on premises ONTAP customer, NetApp Cloud Volumes ONTAP was the natural choice that provides us with the portability and mobility, capabilities to run our K8s applications on-premises and in Google Cloud, leveraging the same workflows and automations.”

– Anthony Lloyd, VP Technology Services at OpenText



Where NetApp adds value

Use case	NetApp benefits
Quickly migrate applications and run enterprise apps and file services in the cloud	<ul style="list-style-type: none"> • Move data from on-premises storage to any cloud • Provision data services in any cloud using the same interface
Maintain business continuity and keep data secure	<ul style="list-style-type: none"> • Achieve more efficient DR than native cloud storage and easy to set up • Leverage NetApp® ONTAP features and in-house ONTAP expertise
Dramatically reduce public cloud storage spend	<ul style="list-style-type: none"> • Storage efficiencies reduce cloud footprint • Tiering puts infrequently accessed blocks into less costly object storage

Solutions

- Business applications >
- DevOps solutions >
- File and block storage >
- Disaster recovery >

Cloud Volumes ONTAP is the best choice for your workloads in the cloud

- 1. Multi-cloud support:** AWS, Azure and GCP
- 2. Multi-protocol support:** NFS, CIFS, iSCSI
- 3. Storage efficiency for cost savings:** thin-provisioning, deduplication, compression, compaction
- 4. Data management:** PIT recovery of data using zero-impact ONTAP Snapshot™
- 5. Disaster recovery and failover using SnapMirror®**
- 6. Security:** Data encryption at the level of the storage volume
- 7. GUI driven deployment and management:**
 - NetApp® BlueXP™ helps deploy and monitor storage in the cloud and helps ease license, entitlement and upgrades
 - System Manager manages on-prem systems and Cloud Volumes ONTAP
- 8. Policy based tiering to lower cost storage tiers**

Supported ONTAP® features in Cloud Volumes ONTAP

- NetApp® Snapshot™ copies
- Thin provisioning
- Deduplication, compression, compaction
- Encryption at rest and in-flight
- NetApp SnapMirror®
- NetApp FlexClone®
- NetApp SnapLock®
- High availability
- Cold data tiering to object
- Kubernetes integration with Trident
- NFS/CIFS/iSCSI

Cloud Volumes ONTAP editions (based on 3-year annual commitment)

Freemium	Optimized (new!)	Essentials Primary	Professional
<p>ONTAP Storage</p> <p>Want to take it for a test drive first? Get full access to 500GB of NetApp® Cloud Volumes ONTAP® with no time limit.</p> <p>\$0</p> <ul style="list-style-type: none"> • Full-featured ONTAP in Google Cloud • Community support • Limited to 500GB, up to 10 deployments 	<p>ONTAP Storage, low I/O for Google Cloud</p> <p>Need a reduced-cost alternative for lower I/O workloads? Get an ideal balance of functionality and price.</p> <p>Starting at \$0.027 Per GB/mo</p> <p><small>\$0.01 /10K writes \$0.001 /10K writes</small></p> <ul style="list-style-type: none"> • Full-featured ONTAP in Google Cloud • 24/7 enterprise support • Single node/high availability • Limited instance types • For low-I/O tier 2 workloads in Google Cloud (user file shares, media repositories, online archives, DR destination) 	<p>ONTAP Storage</p> <p>Want to get started now? Deploy the full strength of ONTAP in the cloud of your choice.</p> <p>Starting at \$0.036 Per GB/mo</p> <ul style="list-style-type: none"> • Full-featured ONTAP in Google Cloud • 24/7 enterprise support • Single node/high availability • Limited instance types • For high-I/O-intensive workloads (databases, K8s, SaaS applications, electronic design automation, virtual desktop infrastructure) 	<p>ONTAP Storage + backup</p> <p>Ready to take the next step? Unleash the power of ONTAP storage in the cloud with unlimited backups.</p> <p>Starting at \$0.108 Per GB/mo</p> <ul style="list-style-type: none"> • Full-featured ONTAP in Google Cloud • 24/7 enterprise support • High availability • For high-I/O-intensive workloads • Includes unlimited backups with NetApp Cloud Backup

Licensed and paid per node | HA pair = 2 licenses

Additional resources

netapp.com/google-cloud