

# NETAPP CLOUD VOLUMES ONTAP

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



## THE PROBLEM

Companies across all industries are leveraging cloud to drive business growth and innovation. But despite the speed of cloud adoption, many traditional enterprise applications still run on premises. To migrate traditional applications to the cloud, organizations need to modernize applications, acquire new knowledge, and update policies. These requirements often make your journey to the cloud slow, expensive, and complex, with the added challenge of keeping your data safe and compliant.

## THE SOLUTION

Get the freedom to run traditional and cloud-native applications anywhere and move them across the hybrid multicloud, without redesigning your code, your processes, or your teams. Harness cloud advantages faster and at lower cost while keeping your data secure and compliant.

Google Cloud with NetApp® Cloud Volumes ONTAP® enables you to migrate enterprise applications and monitor on-premises and cloud infrastructure. NetApp and Google Cloud partner to provide a seamless experience while enabling you to deliver leading NetApp cloud data services as your own.

## Top 5 reasons to use Cloud Volumes ONTAP



**1 Cost.** Drastically lower TCO for standard cloud storage. Rely on advanced storage efficiency features and data tiering to minimize costs.



**2 Performance.** Get faster response time on cloud storage. Run complex, performance-intensive, and latency-sensitive applications with no code change.



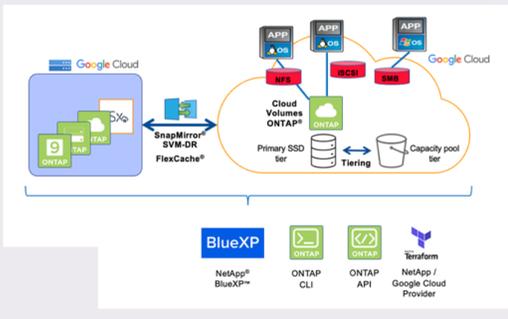
**3 Protection.** Gain peace of mind, knowing that your data is always restorable. Overcome unplanned data loss, ransomware, and data corruption with nearly instant restoration.



**4 Security.** Leverage built-in data security that you can control. Keep your data safe while maintaining compliance with industry regulations.



**5 Flexibility.** Offers multiprotocol support, including file, block, and object storage, delivering a more agile, flexible approach.



**Native NetApp storage deployed in your Google Cloud environment**

## Where NetApp adds value



### Quickly migrate applications and run enterprise apps and file services in the cloud

- Move data from on-premises storage to Google Cloud.
- Provision data services in Google Cloud using the same interface.
- Easy and flexible with multiple migration options.



### Maintain business continuity and keep data secure

- Achieve more efficient DR than with standard cloud storage.
- Leverage NetApp ONTAP features and your in-house ONTAP experience.
- Agile solution recovers data across environments.



### Dramatically reduce public cloud storage spending

- Storage efficiencies reduce cloud footprint and provide flexibility with multiple options.
- Tiering puts infrequently accessed blocks into less costly object storage.

## Case studies



*“The ONTAP function that can be used with Cloud Volumes ONTAP gives you a great sense of security. I sense the high reliability that has been forged in a mission-critical environment.”*

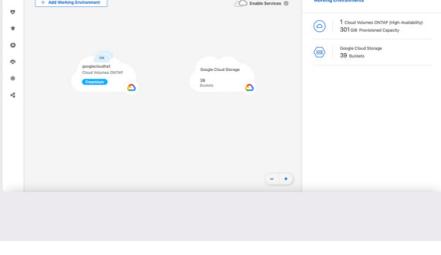
*Yashinari Yokoyama-san, Systems Department, Polygon Pictures*



*“NetApp technology, such as Cloud Volumes ONTAP, is the right fit for dentsu because it allows us to accelerate our cloud transformation, while delivering significant savings to the business.”*

*John Howarth, Head of Infrastructure Transformation, dentsu*

## Get full control and data mobility in Google Cloud storage environments through a single console with NetApp BlueXP™.



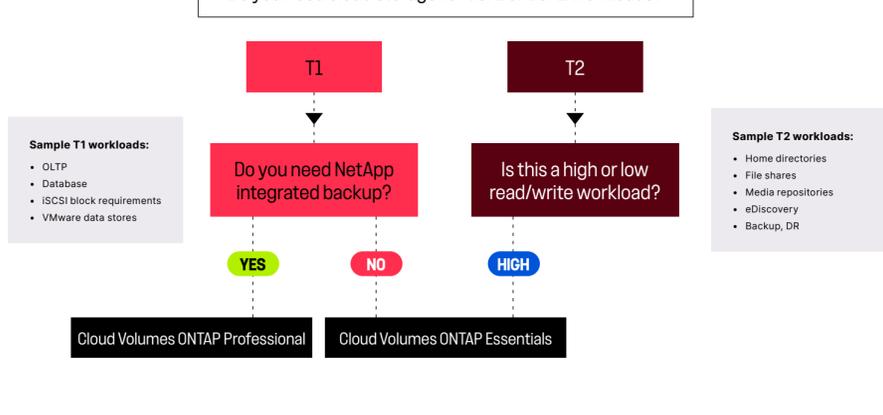
## Cloud Volumes ONTAP is the best choice for your workloads in the cloud

1. Multicloud support
2. Multiprotocol support: NFS, CIFS, iSCSI, S3
3. Storage efficiency for cost savings: Thin provisioning, deduplication, compression, compaction
4. Data management: Point-in-time recovery of data using zero-impact NetApp Snapshot™ copies
5. Disaster recovery and failover using NetApp SnapMirror®
6. Security: Data encryption at the level of the storage volume
7. GUI-driven deployment and management:
  - BlueXP helps deploy and monitor storage in the cloud and helps ease license, entitlement, and upgrades
  - System Manager manages on-premises systems and Cloud Volumes ONTAP
8. Policy-based tiering to lower-cost storage tiers

## Supported ONTAP features in Cloud Volumes ONTAP

- NetApp Snapshot copies
- Deduplication, compression, compaction
- Encryption at rest and in flight
- NetApp SnapMirror
- NetApp FlexClone®
- NetApp SnapLock®
- High availability
- Cold data tiering to object storage
- Kubernetes integration with Trident
- NFS/CIFS/iSCSI, S3

## Choose the edition of Cloud Volumes ONTAP that works best for your needs



## Licensing options

<p><b>FREE UNLIMITED TRIAL</b></p> <p>ONTAP Storage</p> <p>Want to take it for a test drive first? Get full access to 500GiB of Cloud Volumes ONTAP with no time limit.</p>	<p><b>ESSENTIALS</b></p> <p>High performance and availability for enterprise and business-critical applications</p> <p>Want to get started now? Deploy the full strength of ONTAP in the cloud of your choice.</p>	<p><b>PROFESSIONAL</b></p> <p>Resilient and protected solution with unlimited backups</p> <p>Ready to take the next step? Unleash the power of ONTAP storage in the cloud with unlimited backups.</p>
<p>Cost: <b>\$0</b></p> <ul style="list-style-type: none"> <li>• Full-featured ONTAP in Google Cloud</li> <li>• Community support</li> <li>• Limited 500GiB, up to 10 deployments</li> </ul>	<p>Cost: Starting at <b>\$0.04</b> per GiB/mo</p> <ul style="list-style-type: none"> <li>• Full-featured ONTAP in Google Cloud</li> <li>• Optional cross-zone</li> <li>• High availability</li> <li>• 24/7 enterprise support</li> <li>• For high-I/O-intensive tier 1 primary and tier 2 secondary workloads</li> </ul>	<p>Cost: Starting at <b>\$0.11</b> per GiB/mo</p> <ul style="list-style-type: none"> <li>• Full-featured ONTAP in Google Cloud</li> <li>• Optional cross-zone</li> <li>• High availability</li> <li>• 24/7 enterprise support</li> <li>• high-I/O-intensive workloads</li> <li>• Includes unlimited backups with NetApp BlueXP backup and recovery.</li> </ul>

## Additional resources

[Demo: Cloud Volumes ONTAP on Google Cloud >](#)

[Webpage: Cloud Volumes ONTAP on Google Cloud >](#)



Contact Us

**About NetApp**  
 NetApp is the intelligent data infrastructure company, combining unified data storage, integrated data services, and CloudOps solutions to turn a world of disruption into opportunity for every customer. NetApp creates silo-free infrastructure, harnessing observability and AI to enable the industry's best data management. As the only enterprise-grade storage service natively embedded in the world's biggest clouds, our data storage delivers seamless flexibility. In addition, our data services create a data advantage through superior cyber resilience, governance, and application agility. Our CloudOps solutions provide continuous optimization of performance and efficiency through observability and AI. No matter the data type, workload, or environment, with NetApp you can transform your data infrastructure to realize your business possibilities. [www.netapp.com](http://www.netapp.com)