

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 can 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 customers' data secure and compliant.


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


Top 6 reasons to use Cloud Volumes ONTAP

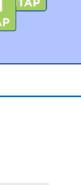
- **1**

Cost.
Drastically lower TCO for standard cloud storage. Rely on advanced storage efficiency features and data tiering to minimize costs.
- **2**

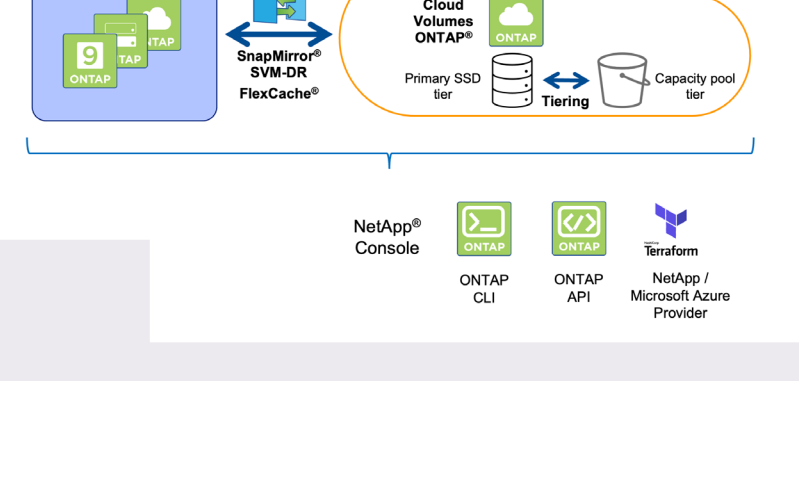
Performance.
Get faster response time on cloud storage. Run complex, performance-intensive, and latency-sensitive applications with no code change.
- **3**

Protection.
Gain peace of mind knowing that your data is always restorable. Use NetApp SnapMirror® technology with NetApp Backup and Recovery to quickly overcome unplanned data loss, ransomware, and data corruption with nearly instant restoration.
- **4**

Security.
Improve cyber resilience with NetApp Autonomous Ransomware Protection with AI (ARP/AI). Adopt a machine-learning model for anti-ransomware analytics that detects constantly evolving forms of ransomware in NAS and SAN environments.
- **5**

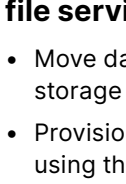
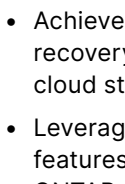
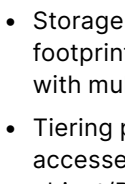
Flexibility.
Get access to multiprotocol and hybrid-cloud support for your storage. Existing NetApp Cloud Volumes ONTAP file customers benefit from familiar ONTAP operations, and Azure NetApp Files users can enhance their file storage with Cloud Volumes ONTAP block, creating a unified Azure storage solution.
- **6**

Mobility.
Extend your on-premises ONTAP environment to the cloud for a unified storage experience. Data replication between on-premises ONTAP and Cloud Volumes ONTAP delivers consistency and availability. Experience seamless data mobility and dynamic scaling, and maintain enterprise-grade features and performance.

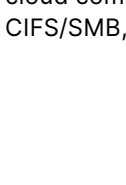


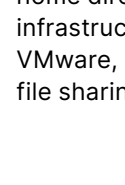
Native NetApp® storage deployed in your Azure environment

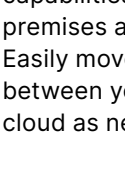
Where NetApp adds value

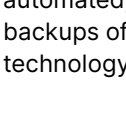
- **Quickly migrate applications and run enterprise apps and file services in the cloud**
 - Move data from on-premises storage to Azure.
 - Provision data services in Azure using the same interface.
 - Easy and flexible with multiple migration options.
- **Maintain business continuity and keep data secure**
 - Achieve more efficient disaster recovery 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/Blob storage.

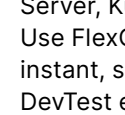
Use cases

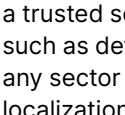
- **Workload migration for file and block**

Connect Cloud Volumes ONTAP to cloud compute instances using iSCSI, CIFS/SMB, or NFS protocols.
- **Enterprise-grade block and file sharing**

Supports block and file sharing for home directories, virtual desktop infrastructure (VDI), web applications, VMware, SAP applications, and global file sharing.
- **Hybrid multicloud**

Provides consistent data management and storage capabilities across both on-premises and cloud environments. Easily move data and workloads between your data center and the cloud as needed.
- **Backup and disaster recovery**

Use SnapMirror technology to replicate data from on-premises storage to the cloud. If a primary system fails, SnapMirror enables quick failover to the secondary system. You can also create automated, point-in-time, incremental backups of your data using Snapshot technology.
- **Enterprise apps and databases**

Deploy and manage critical databases and applications in the cloud, including CRM, ERP, EDA, M&E postproduction, Microsoft SQL Server, Kubernetes, and VMware. Use FlexClone technology to create instant, space-efficient clones for DevTest environments, reducing storage costs.
- **Highly regulated environments**

Empowers organizations with secure, compliant storage that respects data sovereignty. With features like private deployment mode, it's a trusted solution for industries such as defense, government, and any sector where data control and localization are non-negotiable.

Case studies



“Our aha moment was realizing that cloud optimization savings also lead to sustainability savings. And it flipped the switch on the incentivization. Initially, we saw waste as purely financial, but we now understand it also impacts sustainability. For an energy company, that’s a very powerful statement.”

Byron Baynham, Senior Manager, Cloud and Infrastructure Platform, AGL Energy



“You must be an expert in your own data. Know what data to transfer and what to leave alone.”

Rod Segraves, Director of Cloud Technologies, WTW

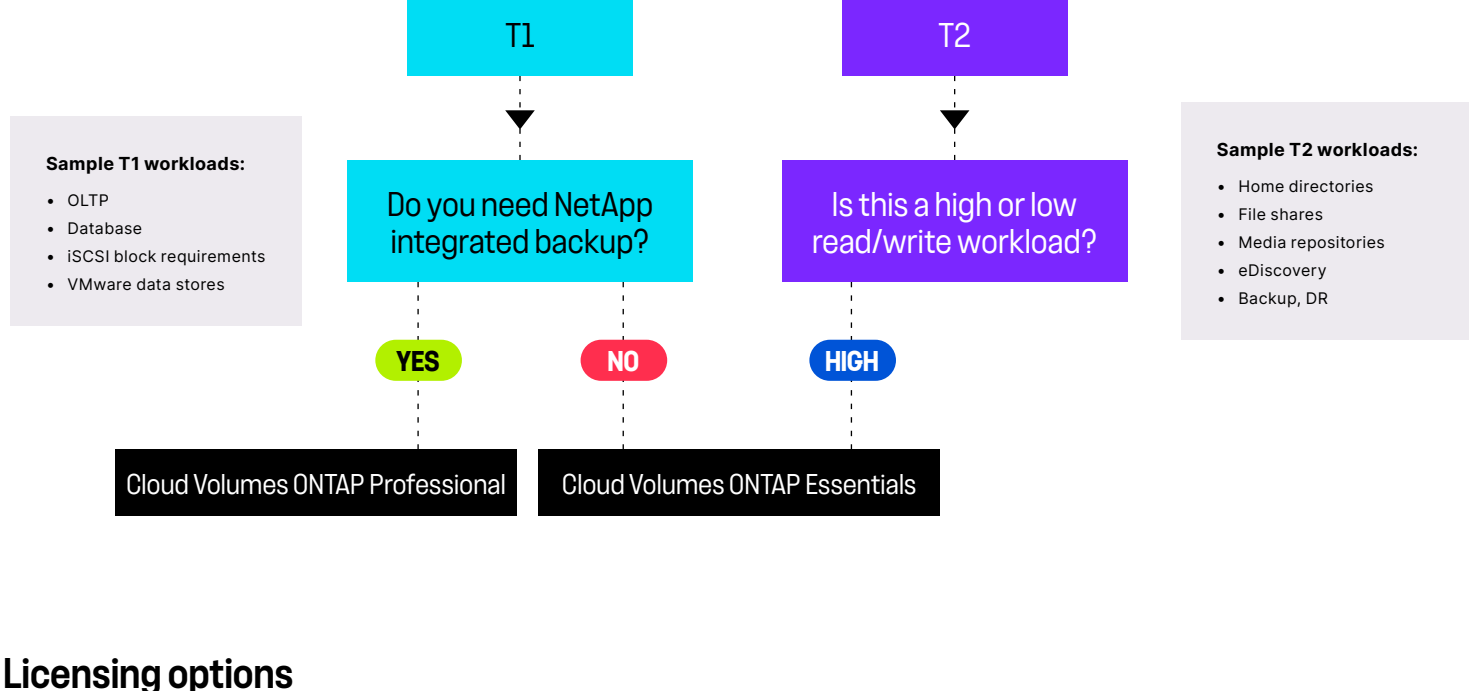
Cloud Volumes ONTAP is the right choice for your workloads in the cloud

- Multicloud support**
- Multiprotocol support:** NFS, CIFS, iSCSI
- Storage efficiency for cost savings:** Thin provisioning, deduplication, compression, compaction
- Data management:** Point-in-time recovery of data using zero-impact Snapshot copies
- Disaster recovery and failover using SnapMirror**
- Security:** Data encryption at the level of the storage volume
- GUI-driven deployment and management:** Deploy and manage Cloud Volumes ONTAP with NetApp Console
- Policy-based tiering to lower-cost storage tiers**

Supported ONTAP features in Cloud Volumes ONTAP

- NetApp Autonomous Ransomware Protection with AI
- 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
- Kubernetes integration with NetApp Trident™ software
- NFS/CIFS/iSCSI

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



Licensing options

FREEMIUM	ESSENTIALS	PROFESSIONAL
<p><i>Use case for proof of concept*</i></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>Cost: \$0</p> <ul style="list-style-type: none">Full featured ONTAP in any cloud*Community SupportLimited 500GiB, up to 10 Deployments	<p><i>Essentials Primary</i> <i>Essentials Secondary</i></p> <p>Want to get started now? Deploy the full strength of ONTAP in the cloud of your choice.</p> <p>Cost: Starting at \$0.036 per GiB/mo (featuring secondary, single-node pricing)</p> <ul style="list-style-type: none">Full featured ONTAP in any cloud*Available in single node and HA24/7 Enterprise SupportFor high-I/O-intensive tier 1 primary and tier 2 secondary workloads	<p><i>ONTAP Storage + Backup and Recovery (HA/Single Node)</i></p> <p>Ready to take the next step? Unleash the power of ONTAP storage in the cloud with unlimited backups.</p> <p>Cost: Starting at \$0.108 per GiB/mo</p> <ul style="list-style-type: none">Full featured ONTAP in any cloud*Optional cross-zone High Availability24/7 Enterprise SupportFor high-I/O-intensive workloadsIncludes unlimited backups with NetApp Backup and Recovery

* Supports 1-3-year contract and PAYGO; pricing shows 3-year contract

** [Cloud Volumes ONTAP pricing](#)

Get a free trial of NetApp® Cloud Volumes ONTAP® for Azure ›

Cloud Volumes ONTAP for Azure ›

Cloud Volumes ONTAP for Azure cost calculator ›