



Fulfill the promise of the cloud

NetApp Solutions for Amazon Web Services



Fulfill the promise of the cloud

NetApp Cloud Volumes for AWS: Move and manage more workloads faster

Many organizations are migrating on-premises workloads to the cloud to increase efficiency, take advantage of cloud economics, and to reduce or eliminate the hardware and management costs of data centers. Today, your organization can migrate to the cloud without sacrificing performance and scale.

NetApp® and Amazon Web Services (AWS) provide solutions that can help you meet rapidly changing business demands. NetApp's cloud portfolio enables you to meet these business objectives in a dynamic world. With NetApp solutions, such as NetApp Cloud Volumes for AWS and NetApp ONTAP® Cloud, you maintain control over your data and can seamlessly manage across your AWS environments.

NetApp Cloud Volumes for AWS: a fully-managed file service with fast performance

NetApp Cloud Volumes for AWS is a fully-managed data service for your cloud applications that delivers high performance, reliability, and scale. Cloud Volumes supports multiple file protocols, so you can easily move your file-based applications, including legacy apps, to the cloud. With the performance and advanced data management that NetApp Cloud Volumes delivers to your cloud applications, your technology stack becomes rocket fuel for innovation. Cloud Volumes matches your application's need for performance and scale with the flexibility to automatically grow and shrink as necessary.

NETAPP CLOUD VOLUMES¹ FOR AWS OFFERS:

- › **High performance:** A simple cloud service that allows you to go from zero to 100 TB in 8 seconds. Automate your environment with REST APIs. Integrate with AWS services for analytics, databases, and other native services. Leverage multiprotocol file services with NFSv3, NFSv4.x, and SMB support.
- › **A flexible and comprehensive framework:** Migrate and run any workload (file services, analytics, data lakes, databases, and DevOps) to AWS.
- › **Scalability:** Automatically match capacity and performance to your application needs. Attain persistent storage without adding complexity.
- › **Efficiency:** Optimize costs and business operations. Pay only for what you consume. Create snapshots of your Cloud Volumes, restore them from a clone, schedule snapshots, and even use the NetApp Cloud Sync service to do one-time migrations or to continuously synchronize your data.

COMMON CLOUD CHALLENGES:

- › A need to migrate on-premises workloads to AWS.
- › Management of file servers in the cloud.
- › Slow performance of cloud file storage.
- › Threat of inconsistent data.
- › A need to gain insights that drive bottom-line results.

NETAPP SOLUTION BENEFITS¹ INCLUDE:

- › Fully managed data services
- › The ability to easily and seamlessly migrate data to AWS.
- › Right-size performance tiering
- › Reduced complexity: Go from zero to 100 TB in 8 seconds.
- › The ability to scale up or down, on demand.

NetApp Cloud Volumes Service for AWS: Migrate analytics

The threat of inconsistent data makes it challenging for you to gain insights that drive bottom line results, and it might make you hesitant to move your data to the cloud. NetApp Cloud Volumes Service for AWS helps you achieve real-time insight from your data in a dynamically scalable environment.

Different file formats and sluggish file storage performance lead to inefficiencies, slowing down agility and innovation, while costs and time add up. NetApp Cloud Volumes Service automates operations for greater agility and a reduction in both cost and time.

WITH NETAPP CLOUD VOLUMES SERVICE FOR AWS, YOU CAN:

- › Migrate any storage workload to AWS.
- › Run storage workloads in AWS with fast performance.
- › Get out of the business of managing data centers.
- › Achieve scale and efficiency.
- › Gain measurable benefits, from time and cost perspectives.

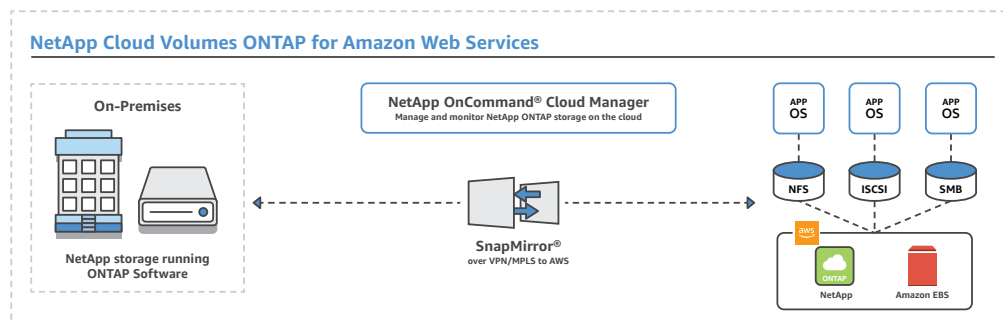
Cloud Volumes ONTAP: Full data control

You need to control what happens to your data, no matter where it resides. When you migrate your applications to the cloud, you are still responsible for managing and protecting your business data. Organizations have spent years controlling and aligning the appropriate levels of data performance, protection, and security in the data center to support their applications. As you move to the cloud, you must maintain the same level of control over your data that you have in an on-premises environment.

NetApp Cloud Volumes ONTAP helps you manage your data while reducing your cloud storage spend by up to 70%.

NETAPP CLOUD VOLUMES ONTAP:

- › Creates a virtual NetApp appliance with advanced data management capabilities.
- › Runs on Amazon Elastic Compute Cloud (Amazon EC2).
- › Uses Amazon Elastic Block Store (Amazon EBS) as the underlying disk layer.



Use NetApp Cloud Volumes ONTAP to build an enterprise storage solution directly on AWS, and manage your cloud storage the same way that you manage NetApp storage within your on-premises

Integrate. Optimize. Protect.

At NetApp, we are committed to continually fueling business growth and innovation by delivering data-rich experiences through workload migration and new application deployments on AWS. We have a proven track record of providing superior enterprise data protection.

NetApp and AWS share a common vision of obsessing over our customers' needs and delighting them with innovation. We continue to listen to our customers, and by delivering solutions that outpace an evolving landscape of cloud data management requirements, we empower our customers to achieve their cloud mandates. We care deeply about providing technology for workloads that are highly secure, scalable, and flexible, while giving customers a variety of purchasing and deployment options.

GET STARTED TODAY

Visit [AWS Marketplace](#) to start a free trial of NetApp Cloud Volumes for AWS, and explore the entire family of NetApp solutions for your cloud workloads.

KEY CAPABILITIES OF NETAPP CLOUD VOLUMES ONTAP:

- › **Storage efficiency:** Consume less storage capacity and lower your cloud storage spend with built-in thin provisioning, deduplication, data compression, and inline data compression. Use NetApp SnapMirror® technology to sync data on-premises.
- › **File-sharing services:** Manage file shares according to business requirements. Cloud Volumes ONTAP supports all versions of NFS and SMB.
- › **Cloud data management:** Manage data centrally to promote the most appropriate use of storage resources. Make block-level storage allocations to Amazon EC2. Allocate storage from different tiers as needed.
- › **Efficiency and speed:** Avoid excess capacity. Create snapshots of your data without requiring more storage and without affecting application performance. Instantly create writable clones of existing storage volumes for development and testing by using NetApp FlexClone® technology.
- › **Data replication and backup:** Incrementally synchronize on-premises applications with Cloud Volumes ONTAP using SnapMirror data replication. Create a cloud-based backup solution with NetApp SnapVault® software.
- › **Use of encryption to secure data:** Manage encryption of at-rest storage while you retain encryption keys.

Related NetApp solutions



NETAPP CLOUD SYNC SERVICE

If you need to copy or synchronize data from data sources to a target object or to a file system on AWS, NetApp Cloud Sync services offers a fast, secure, and automated synchronization. Use it for data migration, data tiering, data consolidation, big data analytics on AWS, migration, and replication.



NETAPP SAAS BACKUP (FORMERLY CLOUD CONTROL)

Although some SaaS providers offer comprehensive disaster recovery from disruption to data center operations, they do not guarantee the integrity of your data against accidental deletion, virus or malware, hackers, or ransomware attacks. So, your data might not be fully protected. With NetApp SaaS Backup for Microsoft Office 365, a SaaS data protection service, you can back up and restore your Exchange Online, SharePoint Online, and OneDrive data. You can protect business-critical data by using automated and on-demand backup. SaaS Backup also enables granular restore for individual items such as e-mail, calendars, contacts, tasks, site collections, sites, lists, and files.



About NetApp

NetApp provides a full range of cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with its partners, NetApp empowers global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation, and optimize their operations. For more information, visit www.netapp.com.

© 2018 NetApp, Inc. All Rights Reserved. NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.