

OPTIMIZE YOUR AWS EXPERIENCE FOR ENTERPRISE WORKLOADS



THE PROBLEM

Customers face a variety of challenges when considering a move to the cloud, ranging from storing sensitive data, compliance issues, and most importantly, the migration of Tier 1 workloads.

Most organizations struggle to find cloud infrastructure, file services, and block storage solutions that meet their objectives for data protection, scalability, and resilience.

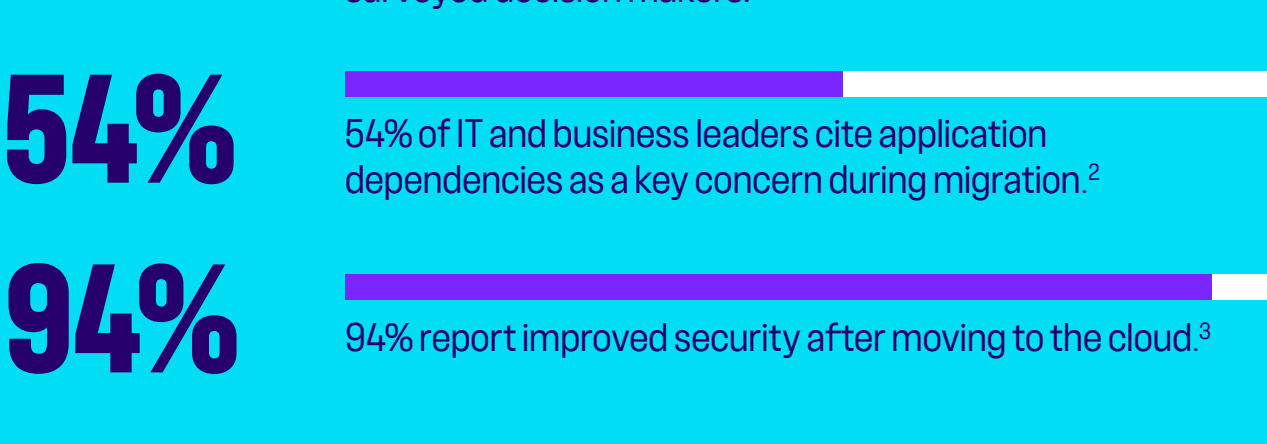
THE SOLUTION

NetApp industry-leading block, file, and object storage offers multiprotocol support for Windows, Linux, and Mac. Our enterprise solutions have the capabilities you need for migrating storage-heavy applications, databases, and AI/ML environments to the cloud.

With NetApp® ONTAP®, you can natively run cloud workloads or quickly lift and shift legacy apps into the AWS Cloud—all at optimized cost. You don't need to refactor code or redesign processes. And you can use ONTAP as a self-managed solution or as a fully managed service.

It's a snap to extend and migrate to AWS, thanks to the familiar file and block storage workflows, orchestration, and data protection capabilities that you already use on premises. This consistency simplifies cloud adoption for your most demanding enterprise workloads.

The state of enterprise application migration

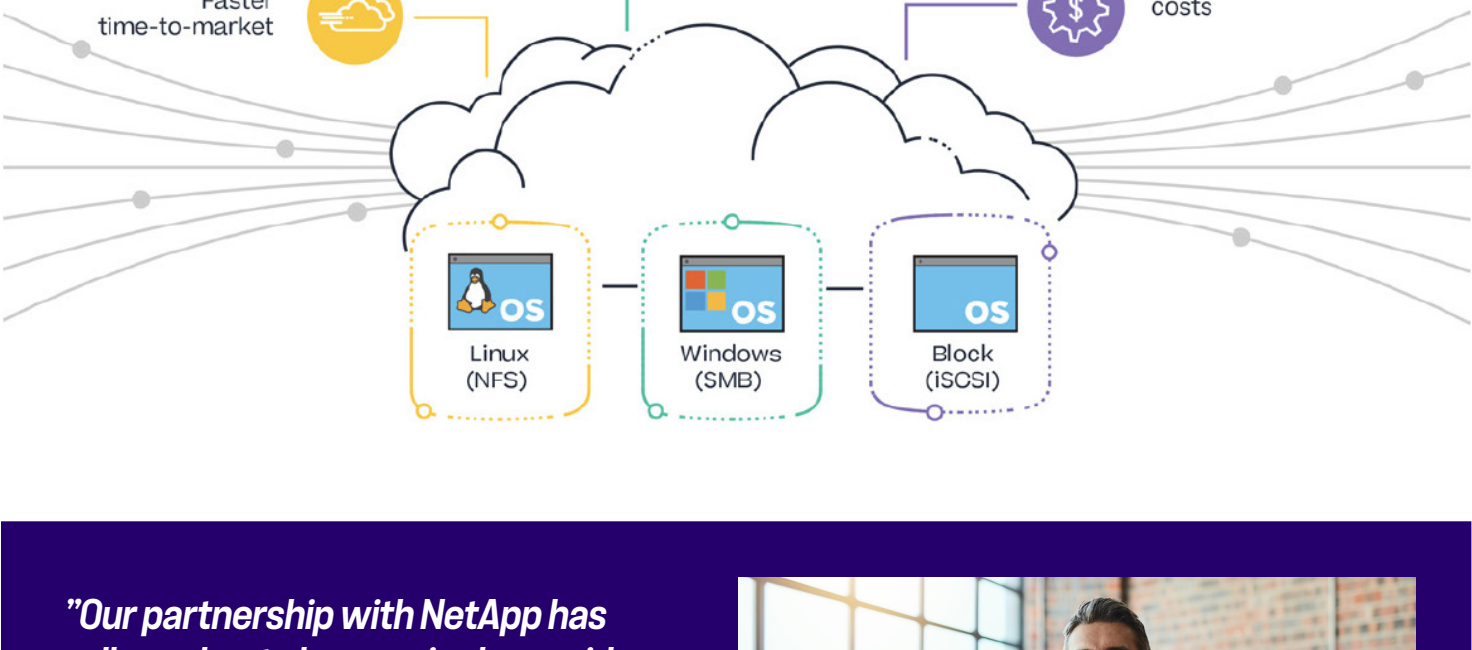


5 ways NetApp and AWS support you

- Get the best of both—NetApp + AWS**
Run Windows, Linux, and Mac workloads with multiprotocol support for CIFS, NFS, iSCSI, NVMe/TCP, and S3 connectivity.
- Continuous optimization**
When you extend mission-critical applications from the premises to AWS, you retain the data efficiencies and optimizations found in the data center—they're readily available on AWS.
- Durability and availability**
You can meet uptime and availability SLAs with simple and fast replication across AWS Availability Zones and get highly durable daily backups that are incremental forever and block based.
- Flexible data management**
NetApp ONTAP enterprise-grade data services combine with the agility and scalability of AWS to provide consistency across the hybrid cloud. You get a unified data experience whether you use the self-managed NetApp Cloud Volumes ONTAP or the native AWS-managed service in Amazon FSx for NetApp ONTAP.
- Robust set up**
Manage and monitor your data with the combined capabilities of the AWS Management Console and NetApp Console. Amazon FSx for NetApp ONTAP is the only cloud service that supports both AWS and NetApp APIs for block and file workloads.

Unlock the best of AWS

Seamlessly create hybrid cloud storage on AWS.



"Our partnership with NetApp has allowed us to have a single provider for our storage needs, whether its billions of small files that we house for our customers with their customer data, or our fast discs for our virtual machines, or containerizing our applications for developers."

Patrick Mulcahy, Vice President of Global Cloud Services, Hyland

[Read story](#)



Competitive edge

Market leaders NetApp and AWS provide the building blocks that help you achieve a robust, mature, enterprise-great cloud environment.



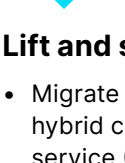
Supports your DevOps and application-driven infrastructures

- Increase DevTest agility with a cloud-native shared file system to shorten release cycles. Enable persistent data and state from containers and serverless functions like Amazon ECS, Amazon EKS, and AWS Lambda.
- Automate data replication and failover, simplifying shared storage to host your database.
- Provide DevOps with common storage to organize and share code and files securely.



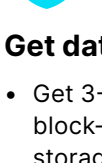
Run multiple workloads on AWS

- Launch, run, and scale NFS and SMB shared file storage for data-intensive apps like SQL Server, AI, and CRM. Address storage-heavy workloads by connecting to Amazon EC2, Amazon ECS, Amazon WorkSpaces, and Amazon AppStream.
- Meet the scalability, elasticity, availability, and durability required for enterprises.
- Provision and optimize block-level storage for performance-intensive applications like databases and virtualization. Support high-performance workloads by connecting to Amazon EC2, VMware environments, and enterprise apps using iSCSI with Cloud Volumes ONTAP or Amazon FSx for NetApp ONTAP.



Lift and shift your enterprise workloads

- Migrate and build enterprise-scale architectures and hybrid cloud workloads. Support software-as-a-service (SaaS) applications with a multiprotocol file system. Optimize cost, time, and latency to streamline your migration without rearchitecting or sacrificing performance and reliability.
- Automate data replication and failover, simplifying shared storage to host your database.
- Easily migrate your Oracle, SQL Server, and SAP HANA database workloads to AWS. Amazon FSx for NetApp ONTAP is SAP-certified and can host database backups for protection during updates or for DevTest operations.



Get data protection for cloud workloads

- Get 3-2-1 data backup with incremental-forever, block-based backups. Take advantage of built-in storage efficiencies for cloud-based disaster recovery with drag-and-drop simplicity, nondisruptive testing, compliance, security, and data sovereignty features.
- Protect, repurpose, and easily manage your data by using NetApp Snapshot™ copies, rapid copies, and data synchronization.
- Create data copies on AWS, and then lower disaster recovery costs with cold-storage tiering to Amazon S3.

Unmatched solutions for your enterprise cloud

Optimize your AWS experience for enterprise-scale apps and meet your cloud mandate for hybrid and cloud-native workloads. Amplify your cloud storage infrastructure and data services through a unified control plane that helps to:

Simplify.

Deploy, discover, manage, and optimize data and its infrastructure from the comfort of [NetApp Console](#), a unified control plane delivering a simplified hybrid multicloud experience.

Protect.

Meet uptime and availability SLAs with automatic [NetApp SnapMirror](#)® replications across AWS Availability Zones and restore instantly with zero-impact NetApp Snapshot copies. Gain durable, incremental-forever, block-based daily backups from NetApp Backup and Recovery.

Access.

Extend on-premises data into AWS with SnapMirror or the NetApp Copy and Sync service. Speed up latency sensitive on-premises workloads by using [NetApp FlexCache](#)™ to burst to AWS.

Govern.

Use the compliance dashboard [NetApp Data Classification](#) to meet unstructured data standards and adhere to GDPR and other regulations by locating personally identifiable information (PII).

Monitor.

Take advantage of [NetApp Data Infrastructure Insights](#) to see across the entire infrastructure (on premises to cloud) and identify apps that are poised to migrate to AWS.

Optimize.

Optimize capacity resources with fully elastic storage tiering with NetApp Tiering to move cold data to Amazon S3.

Questions to guide your AWS journey

- Would you like to manage your data with the same set of features, no matter where it's stored?
- Do you have applications "stuck" on premises that you'd like to move to the cloud?
- Would you benefit from a lift and shift of Linux, Windows, and Mac workloads to AWS that avoids a need to refactor?
- Can you take advantage of storage efficiencies that minimize your storage footprint and maximize your cost savings, while protecting against downtime with high availability?
- Does the lack of performance or visibility across your hybrid cloud environment keep you from moving more workloads to the cloud?

Licensing: Cloud Volumes ONTAP

Start with NetApp Console, a unified control plane delivering a simplified hybrid multicloud experience for storage and data services across on-premises and AWS Cloud environments.

[NetApp Data Services](#)

Licensing: Amazon FSx for NetApp ONTAP

With Amazon FSx for NetApp ONTAP, you pay only for the resources you use. There are no minimum fees or setup charges. While pricing is quoted on a monthly basis, your usage is prorated by the hour and you are billed for your average usage over a month.

There are six Amazon FSx for NetApp ONTAP components to consider when storing and managing your data: SSD storage, SSD IOPS, capacity pool usage, throughput capacity, backups, and NetApp SnapLock® licensing.

[Amazon FSx for NetApp ONTAP pricing](#)

Additional resources

[Talk to a specialist](#)

[Cloud Volumes ONTAP overview](#)

[Amazon FSx for NetApp ONTAP overview](#)

[NetApp services portfolio for AWS](#)

Sources:
1. Flexera, 2025 State of the Cloud Report.
2. DuoCloud, Cloud Migration Statistics: Key Trends, Challenges, and Opportunities in 2025
3. SpaceLift, 55 Cloud Computing Statistics for 2025