TACTICAL BUYERS' GUIDE



Optimize your AWS experience for enterprise workloads



Meet your cloud mandate for hybrid and cloud-native workloads

Go from enterprise-grade to enterprise-great

critical applications require an enterprise-scale architecture to handle high availability and

The problem

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

The main challenge to cloud adoption is

migration of tier 1 workloads. These mission-

The solution

capabilities you need for migrating storageheavy applications, databases, and DevOps environments to the cloud. With NetApp® ONTAP®, you can natively run cloud workloads or swiftly lift and shift legacy apps into the AWS Cloud—all at optimized cost. You don't need to refactor code or redesign

NetApp industry-leading block and file storage

has multiprotocol support for Windows, Linux,

and iSCSI. Our enterprise solutions have the

processes. And you can use ONTAP as a selfdirected solution or as a fully managed service. It's a snap to extend and migrate to AWS, because you're using the familiar file storage workflows, orchestration, and data protection capabilities that you use on premises.

expansion as the top driver of IT spending1

The state of enterprise application migration



of on-premises workloads could move to cloud²

the next 18 months³

of surveyed CIOs ranked public cloud migration or



Lorenzo D.

"Because our customers are media and

an option. NetApp's highly available

operations and business continuity."

Lead Infrastructure Engineer, EidosMedia

storage in AWS provides nonstop

"Using NetApp Cloud Volumes ONTAP financial institutions, downtime is not from AWS Marketplace, we have

Peter Raettig

Read story

achieved recovery times in testing

as little as 10 minutes of data loss."

Head of Technical Operations, Reach plc

that are almost instantaneous, and with

of organizations expect to be mostly cloud-based within

Read story 5 ways NetApp and AWS support you

We're the specialists

NetApp + AWS = enterprise-great

Proclaimed market leader by Gartner⁴ and GigaOm⁶ and IDC⁵, NetApp is the choice

As partners for over a decade, NetApp and AWS have continued to migrate, build, and manage enterprise-scale Linux, Windows, and iSCSI workloads with ease.

for block and file storage in hybrid and cloud-first environments.

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.



forever and block based. Flexibile data management

Durability and availability

of AWS to provide consistency across the hybrid cloud. You get a unified data experience whether you use the self-directed NetApp Cloud Volumes ONTAP or the native AWS-managed service in Amazon FSx for NetApp ONTAP.

NetApp ONTAP enterprise-grade data services combine with the agility and scalability

Reduce complexity

Lower

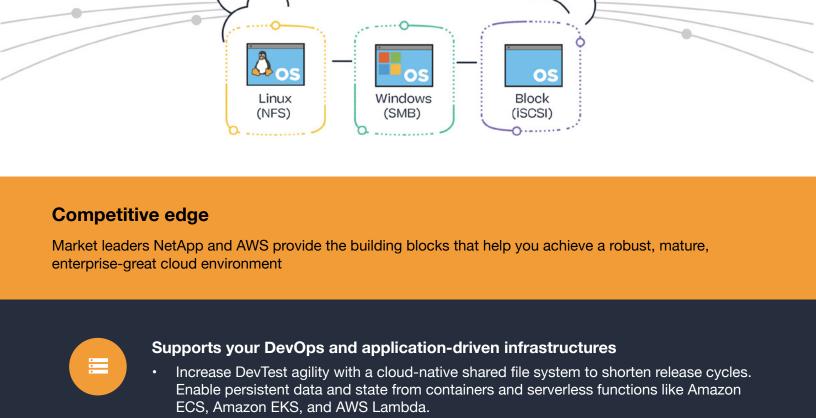
costs

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

Unlock the best of AWS Seamlessly create hybrid cloud storage on AWS

Faster

time-to-market



Provide DevOps with common storage to organize and share code and files securely.

Launch, run, and scale NFS and SMB shared file storage for your business apps. Address storage-heavy workloads by connecting to Amazon EC2, Amazon ECS,

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

Create data copies on AWS, and then lower disaster recovery costs with cold-storage

Data governance

NFS

CIFS/SMR

iSCSI

Tiering

Backup & recovery

APP

os

(P)

Cloud

Data Sense

Cloud Tiering

Cloud

Backup

VMware Cloud on AWS, Amazon WorkSpaces, and Amazon AppStream.

Enable availability across AWS Availability Zones.

Lift and shift your enterprise workloads

performance and reliability.

Run file shares on AWS

Meet the scalability, elasticity, availability, and durability required for enterprises. Migrate storage-heavy apps, ERP, CRM, Microsoft Exchange, and SQL Server, and take advantage of Microsoft Active Directory integration.

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Automate data replication and failover, simplifying shared storage to host your database. Easily migrate your Oracle and SAP HANA workloads to AWS with SAP-certified FSx for ONTAP and store database backups for protection during updates or DevTest.

Replication

SnapMirror

C

Unmatched solutions for your enterprise cloud

tiering to Amazon S3.

Get data protection for cloud workloads **V** 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.

aws

Amazon FSx for

NetApp ONTAP

Cloud Volumes

ONTAP

File caching

Branch

Deploy, discover, manage, and optimize data and its infrastructure from the comfort of

to move cold data to Amazon S3. Scale compute resources to maximize use for up to

on-premises workloads by using NetApp FlexCache® to burst to AWS.

threats with the NetApp Cloud Insights Data Security feature.

Questions to guide your AWS journey

Would you like to manage your data with

the same set of features, no matter where

and Windows workloads to AWS that avoids a

NetApp BlueXPTM, a unified control plane delivering a simplified hybrid multicloud experience.

Data Center

Cloud Sync Global File Cache

Copy & sync

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.

Protect.

Access.

Govern.

Monitor.

Optimize.

90% lower cost with Spot by NetApp.

it's stored?

need to refactor?

Free Edition

Limited support

(PII).

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 Cloud Backup service.

Extend on-premises data into AWS with SnapMirror or the BlueXP copy and sync service using NetApp Cloud Sync for aging third-party NAS filers. Reach data from the edge with NetApp Global File Cache, and speed up latency-sensitive

unstructured data standards and adhere to GDPR and other regulations by locating personally identifiable information

Take advantage of the BlueXP observability service using NetApp Cloud Insights to see across the entire infrastructure (on premises to cloud) and identify apps that are poised to migrate to AWS. Then prevent ransomware and other external

Optimize capacity resources with fully elastic storage tiering with the BlueXP tiering service using NetApp Cloud Tiering

Use the compliance dashboard with the BlueXP classification service using NetApp Cloud Data Sense to meet

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 3

from NetApp BlueXP from NetApp BlueXP Up to 500GB free of charge Capacity minimum: 4TB

Deploy Cloud Volumes ONTAP Deploy Cloud Volumes ONTAP (single node or high availability) (single node or high availability) Upgrade to Essential or Purchase from the AWS Professional for more capacity Marketplace or bring your own

Licensing: Cloud Volumes ONTAP

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

Licensing: Amazon FSx for NetApp ONTAP

Can you take advantage of storage

high-availability?

the cloud?

5

Essential

license (BYOL)

Pay monthly or pay in fixed

terms with discounts: 1, 2, or 3 years.

With Amazon FSx for NetApp ONTAP, you don't pay for resources that you don't want. You pay only for the resources you use, with no minimum commitments, licensing costs, or up-front fees. You're billed by the second for your FSx for ONTAP file systems, and you're billed monthly for any separately licensed NetApp

efficiencies that minimize your storage

footprint and maximize your cost savings, while protecting against downtime with

Does the lack of performance or visibility

keep you from moving more workloads to

Professional

Deploy Cloud Volumes ONTAP

(single node or high availability)

from NetApp BlueXP

Capacity minimum: 4TB

Purchase from the AWS Marketplace or bring your

own license (BYOL)

Pay monthly or pay in fixed terms with discounts: 1, 2, or 3

years.

Bundles with the BlueXP backup and recovery service using Cloud Backup

across your hybrid cloud environment

Cloud Volumes

ONTAP Quick Start

NetApp services portfolio

for AWS

Additional resources

NetApp Cloud Volumes ONTAP pricing

portfolio services that you've enabled.

Amazon FSx for NetApp ONTAP pricing

Cloud Volumes ONTAP Talk to a specialist

FSx for ONTAP overview

■ NetApp

<u>overview</u>

FSx for ONTAP user guide

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