aws

PARTNER



THE PROBLEM

if a federally mandated "Cloud Smart" strategy can be achieved without increasing risk or exploding operational budgets. Yes, the agility and elasticity of the cloud are appealing. But inconsistent data management and standards—plus data silos and technological complexity—make highspeed cloud journeys extremely risky when public trust is on the line.

Public sector organizations are wondering

NetApp has helped the public sector lead with data for over 25 years. After more than

THE SOLUTION

a decade of joint innovation with AWS, it's no wonder that leading private enterprises and government entities trust NetApp® ONTAP® to manage, move, and protect sensitive data and assets. So, go ahead—modernize and meet every cloud migration need without breaking the bank (or the bonds

of public trust). For federal agencies and defense contractors needing to meet security standards, Amazon FSx for NetApp ONTAP is authorized for FedRAMP Moderate and High and authorized for DoD SRG Impact Levels 2, 4, and 5.

How NetApp and AWS empower the public sector



Secure sensitive data

FedRAMP authorization. FSx for ONTAP has FedRAMP

Moderate authorization in US Regions, and FedRAMP High

authorization in AWS GovCloud (US) Regions. This assures government agencies that rigorous FedRAMP standards for security and risk assessments are met. For FedRAMP authorization details, see the announcement or talk with your NetApp representative. Cyber resilience. Take a unified approach to security and protection across your entire data estate. Meet

the highest levels of government cloud security and

Learn more. Data governance. View insights on redundant and stale data with the NetApp BlueXP™ governance service using NetApp BlueXP classification.

DoD SRG authorization. FSx for ONTAP is authorized

for Department of Defense Cloud Computing Security

Requirements Guide Impact Level 2 in US Regions and

Impact Levels 2, 4, and 5 in AWS GovCloud (US) Regions.



compliance standards.

Lowest possible TCO. Enable data services to dynamically allocate storage and reduce duplicate data.

Reduce costs and simplify management

Hybrid cloud simplified. Extend on-premises ONTAP data into the AWS cloud by using the NetApp SnapMirror® feature.

Easy app movement. Gain multiprotocol support for Linux, Windows, and iSCSI instances.

Low-latency access. Burst with NetApp FlexCache® software.

the BlueXP copy and sync service. Eligible cloud candidates. Pinpoint apps that are poised to migrate to AWS with NetApp Data Infrastructure Insights.

Synchronization. Migrate third-party NAS systems with

Workflow preservation. Automate and orchestrate

management console.

hybrid cloud data from NetApp BlueXP, a centralized

Amazon FSx for NetApp ONTAP offers capabilities for data-led migrations, performance workloads, petabyte-scale datasets, and data protection. It can be used for network file shares, cloud-based backup and disaster recovery, primary applications, born-in-the-cloud applications, and speeding up DevTest cycles.

Ease migration to AWS while keeping on-premises standards

Variety of file shares



Home directories and project shares require reliable and scalable data

access for thousands of users. FSx for ONTAP is compatible with all popular client operating systems, and it integrates with FlexCache to

User shares, department shares, home directories

provide low-latency access from the premises. Take advantage of the broadest global infrastructure and full range of AWS service integrations. Data protection and replication Backup, archive, and disaster recovery from the premises and across regions



complex, time consuming, and costly. FSx for ONTAP offers centralized,

policy-based NetApp Snapshot, SnapVault®, and SnapMirror technology for easy backup, archiving, or replication of your on-premises workloads

to AWS regions. Autonomous Ransomware Protection (ARP) monitors

Managing backups and long-term data retention on premises can be

your file system for unusual activity. These technologies can help you meet regulatory, data retention, and or disaster recovery requirements. IT applications and databases SAP, Oracle DB/RAC, SQL Server, CRM, ERP, VMware FSx for ONTAP delivers high-performance, low-latency shared storage that meets the operational requirements of the most demanding





enterprise applications. FSx for ONTAP is certified for SAP HANA workloads and it supports highly available database workloads such as Oracle RAC and Microsoft SQL Server, as well as virtual infrastructure.

burst on-premises data to AWS.

Line-of-business applications Electronic design automation, M&E post-production, financial services, healthcare and life sciences

Faster application development Run cloud-native apps, and get full support for microservices and container management

A broad set of industries depend on fast storage that can be shared

multiprotocol support for complex workflows with the flexibility to

across latency-sensitive Windows and Linux applications. Get





Automate within minutes; then combine infrastructure as code, flexible compute bursting, and FSx for ONTAP storage to create, clone, and replicate your configuration and resources with a few clicks. It's faster

and easier than ever to develop and test new applications.

Broader cloud portfolio Modernization Reactive and made simple proactive protection With NetApp technologies at their fingertips, public Amazon FSx for NetApp Data protection—specifically

ONTAP offers a truly

frictionless path for public

on premises to AWS. All it

on-premises deployments

transformation objectives.

into AWS is just a few clicks.

extend their workloads from

takes to extend, lift, and shift

sector organizations to

migrate workloads, build modern apps, and eliminate management overhead. Key NetApp portfolio integrations

can be accessed from the

UI. Those already familiar

them on premises through

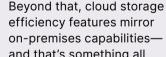
with ONTAP can access

comfort of the familiar AWS

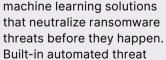
sector organizations can

easily extend to the cloud,

NetApp's centralized management console. **P** Pearson



and that's something all public sector organizations need to meet their digital



forever block-based backups make it easy to achieve cyber resilience without

detection and incremental-

from ransomware—is top of

everyone's mind in the public

sector. ONTAP brings all its

data center capabilities to

AWS, letting public sector

of innovations in AI and

organizations take advantage

increasing data governance and security risks.



"FSx for NetApp ONTAP improved the agility of our mission-critical ERP application by enabling us to refresh our data 10 times faster. We also increased financial and HR job performance by 3 times and reduced our application recovery time and recovery point objectives (RTO/RPO) from hours to minutes. As a fully managed service, FSx for NetApp ONTAP removed the operational overhead of our physical IT infrastructure, freeing us to focus more on our application data and drive more

value for our customers." Norm Nadeau, VP of Site Reliability Engineering, Pearson

Watch the video case study

Additional resources

Amazon FSx for NetApp ONTAP overview > Book an assessment with an AWS

cloud specialist > **Getting started with Amazon FSx** for NetApp ONTAP >

See pricing details > View the user guide >

AWS overview of Amazon FSx

for NetApp ONTAP >



Contact Us

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 silofree 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 Al. No matter the data type, workload, or environment, with NetApp you can $transform\ your\ data\ infrastructure\ to\ realize\ your\ business\ possibilities.\ \underline{www.netapp.com}$

About NetApp