

AMAZON FSx FOR NETAPP ONTAP FOR PUBLIC SECTOR

Secure data management solutions and storage modernization from edge to core to cloud



THE PROBLEM

Public sector organizations are wondering 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 high-speed cloud journeys extremely risky when public trust is on the line.

THE SOLUTION



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

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. [Learn more.](#)

Data governance. View insights on redundant and stale data with the NetApp BlueXP™ governance service using [NetApp BlueXP classification](#).



Reduce costs and simplify management

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

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.

Workflow preservation. Automate and orchestrate hybrid cloud data from [NetApp BlueXP](#), a centralized management console.

Synchronization. Migrate third-party NAS systems with the [BlueXP copy and sync service](#).

Eligible cloud candidates. Pinpoint apps that are poised to migrate to AWS with [NetApp Data Infrastructure Insights](#).

Ease migration to AWS while keeping on-premises standards

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.



1

Variety of file shares

User shares, department shares, home directories

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 provide low-latency access from the premises. Take advantage of the broadest global infrastructure and full range of AWS service integrations.



2

Data protection and replication

Backup, archive, and disaster recovery from the premises and across regions

Managing backups and long-term data retention on premises can be 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 your file system for unusual activity. These technologies can help you meet regulatory, data retention, and or disaster recovery requirements.



3

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.



4

Line-of-business applications

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

A broad set of industries depend on fast storage that can be shared across latency-sensitive Windows and Linux applications. Get multiprotocol support for complex workflows with the flexibility to burst on-premises data to AWS.



5

Faster application development

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

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.

NetApp offers these advantages



Broader cloud portfolio

With NetApp technologies at their fingertips, public sector organizations can easily extend to the cloud, migrate workloads, build modern apps, and eliminate management overhead. Key NetApp portfolio integrations can be accessed from the comfort of the familiar AWS UI. Those already familiar with ONTAP can access them on premises through NetApp’s centralized management console.



Modernization made simple

Amazon FSx for NetApp ONTAP offers a truly frictionless path for public sector organizations to extend their workloads from on premises to AWS. All it takes to extend, lift, and shift on-premises deployments into AWS is just a few clicks. Beyond that, cloud storage efficiency features mirror on-premises capabilities—and that’s something all public sector organizations need to meet their digital transformation objectives.



Reactive and proactive protection

Data protection—specifically from ransomware—is top of everyone’s mind in the public sector. ONTAP brings all its data center capabilities to AWS, letting public sector organizations take advantage of innovations in AI and machine learning solutions that neutralize ransomware threats before they happen. Built-in automated threat detection and incremental-forever block-based backups make it easy to achieve cyber resilience without increasing data governance and security risks.



Pearson

“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 ›](#)

[AWS overview of Amazon FSx for NetApp ONTAP ›](#)

[See pricing details ›](#)

[View the user guide ›](#)



Contact Us



About NetApp

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 silo-free 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 AI. No matter the data type, workload, or environment, with NetApp you can transform your data infrastructure to realize your business possibilities. [www.netapp.com](#)

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