



# Amazon FSx for Windows File Server

Overview

Creating and Mapping File Shares

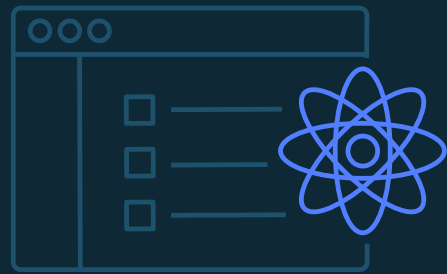
Dean Suzuki, Senior Solution Architect, AWS

February 2020

# Agenda

- Overview Amazon FSx for Windows File Server
- Demo: How to setup Amazon FSx for Windows File Server
- Demo: How to map Amazon FSx file shares
- Additional Resources

# What is Amazon FSx for Windows File Server?



Fully managed native  
Windows file systems



Deeply integrated  
with AWS

# Fully managed means you no longer need to...



## Manage hardware

Plan capacity

Procure and purchase hardware

Set up storage servers and volumes

Detect and address hardware failures

Invest CapEx



## Manage software

Install and configure server software

Set up and configure file systems

Apply Windows updates

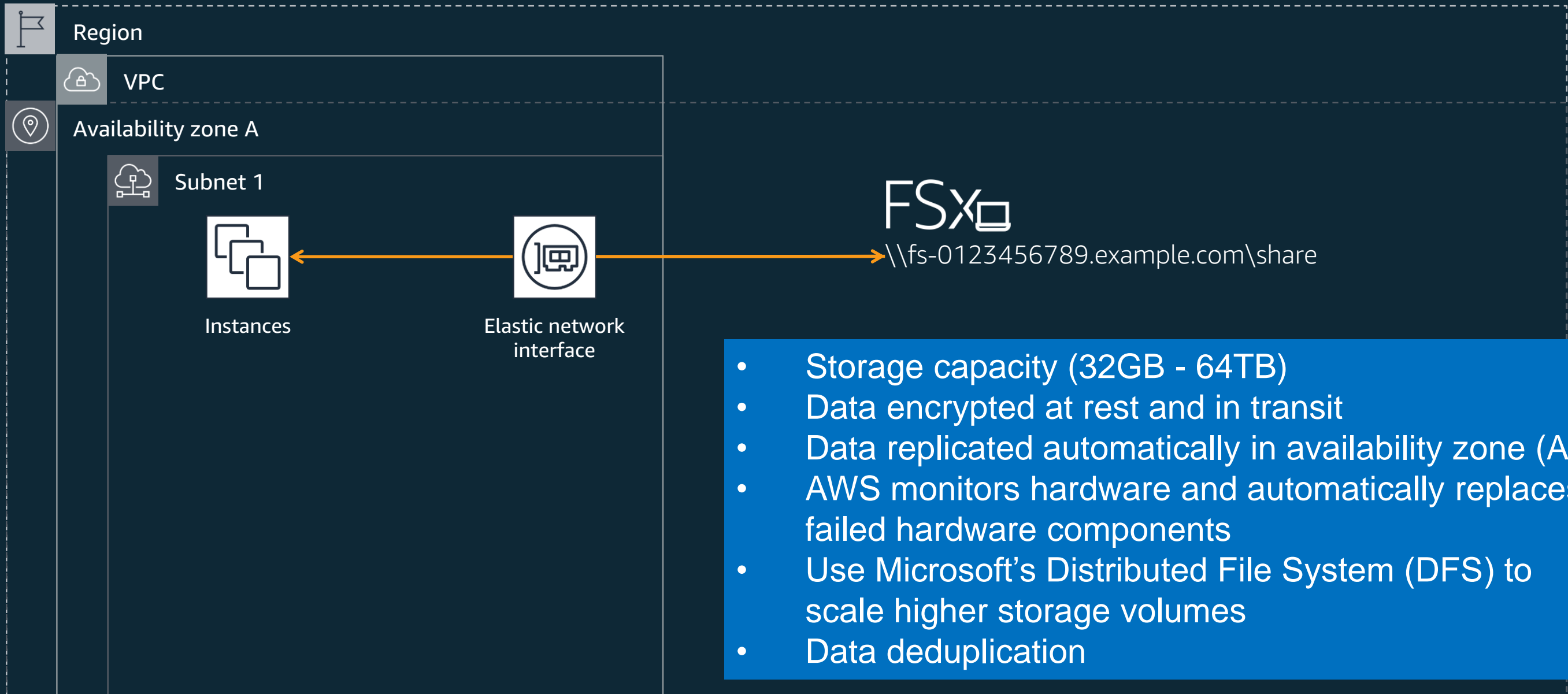
Manage software licenses

Manage backups

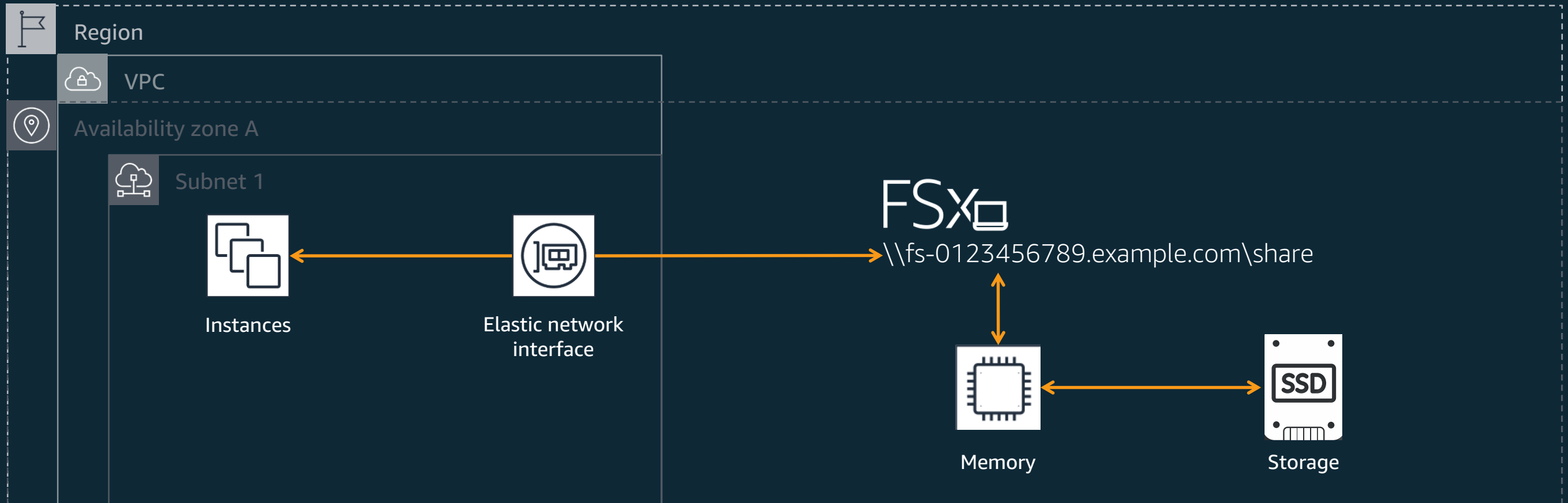
Monitor security

# Demo: Creating Amazon FSx for Windows File Server

# Amazon FSx for Windows File Server Architecture



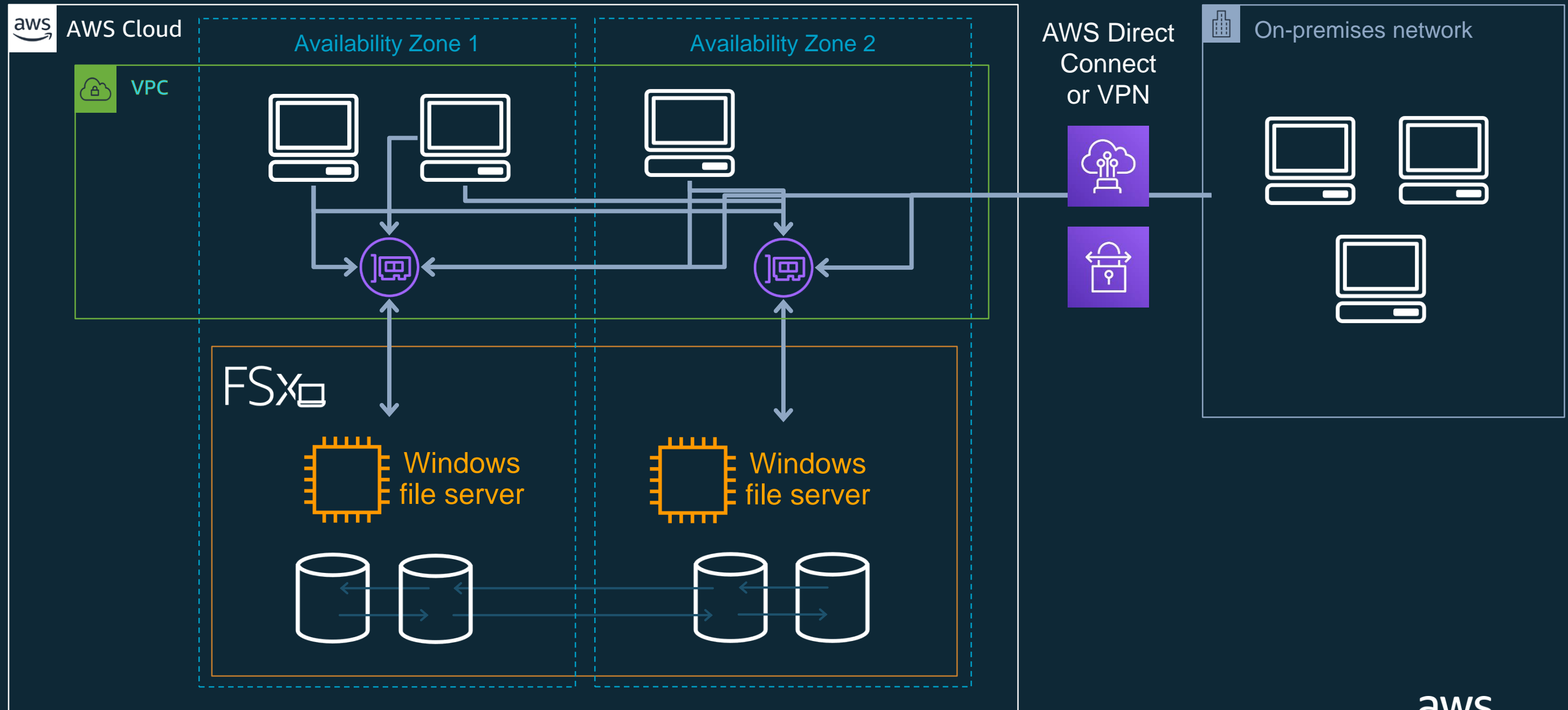
# Performance: Throughput with caching



Sustained (MBps)	8	16	32	64	128	256	512	1,024	2,048
Burst (MBps)	192	192	192	256	438	438	-	-	-

Even higher performance with caching: 600 MBps - 3 GBps per file system  
Up to hundreds of thousands of IOPS per file system

# Multi-AZ file system architecture





# Active Directory Integration

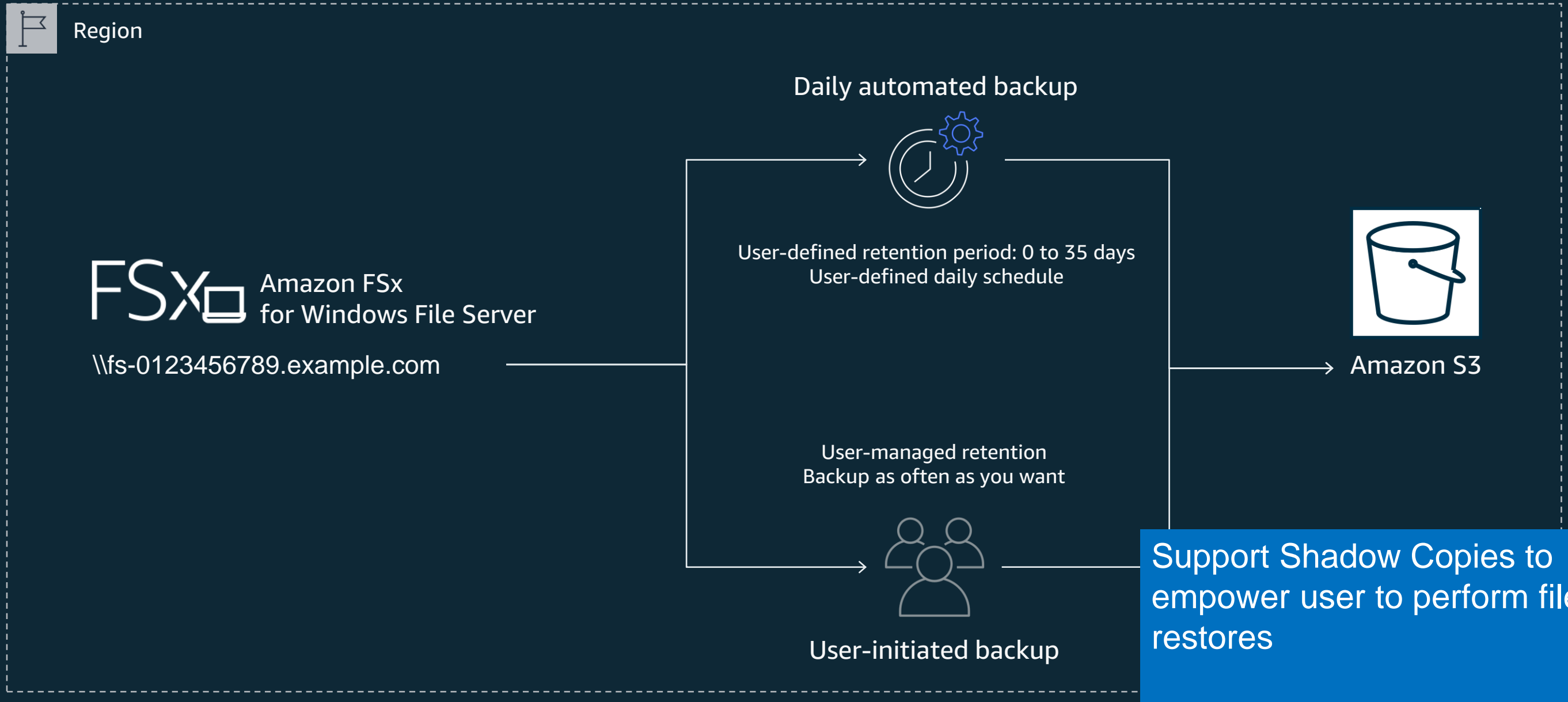
Directly integrate your Amazon FSx file systems with your organization's Active Directory (on-premises or in-cloud)

- **Authentication:** Your users continue to access file shares by authenticating with their existing AD user credentials
- **Authorization:** You can migrate and use your existing file and folder ACLs, and your share-level access controls as is, without any modifications needed

Supports two AD integration options:

- AWS Managed Microsoft AD
- Self-managed Microsoft AD (on-premises or in-cloud)

# Backups



# Demo: Using Amazon FSx for Windows File Server

# Amazon FSx for Windows File Server Recap

- Amazon's fully managed native Windows file server
- Create an Amazon FSx for Windows File Server file system
- Map a file share

# Additional Resources

For more information, see Amazon FSx for Windows File Server documentation:

<https://docs.aws.amazon.com/fsx/latest/WindowsGuide/what-is.html>

<https://aws.amazon.com/fsx/windows/faqs/>

<https://aws.amazon.com/fsx/windows/features/>

# Thank you!