



# AWS Storage Gateway

Amazon FSx File Gateway: Fast, low-latency access on premises to fully managed file shares

# The hybrid cloud model:

YOU HAVE **ON-PREMISES** DATA AND APPLICATIONS...



...that want to use storage and services in **the cloud**

# Hybrid cloud storage challenges



On-premises



I am running out of on premises storage capacity

...and need to use scalable, durable, and secure cloud storage

I want to run my existing applications without change (files, backups, archive)...

...but leverage the infinite scale of the cloud

I need low latency, on premises access to data in the cloud...

...while accessing the power of cloud compute and analytics

Compliance requires that I integrate with enterprise security and management tools...

...but I want to manage & monitor from a single pane of glass

# Storage Gateway



## Amazon S3 File Gateway

Native file access, SMB or NFS, to Amazon S3 for backups, archives, and ingest for data lakes



## Amazon FSx File Gateway

Replace on-premises Windows file shares with efficient, low-latency Amazon FSx for Windows based group file shares and home directories



## Tape Gateway

Replace physical tape infrastructure leveraging Amazon S3 archive tiers for long-term retention

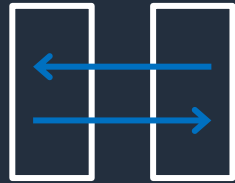


## Volume Gateway

Block storage volumes with snapshots, AWS Backup integration, and cloud recovery

# Storage Gateway – benefits

## EASY ON-RAMP TO CLOUD BENEFITS



**Standard protocols**  
No changes to existing apps



**Local caching**  
Low-latency access to frequently used data



**Optimized data transfers**  
Minimized network traffic



**Secure and compliant**  
FIPS, HIPAA, PCI, SOC\*, ISO\*\*, and encryption



**Cost-effective**  
Pay-as-you-go pricing



**AWS-integrated**  
Management, monitoring, and in-cloud workloads

# Amazon FSx for Windows File Server

FULLY MANAGED, HIGHLY RELIABLE, AND SCALABLE SMB-ACCESSIBLE FILE STORAGE BUILT ON WINDOWS SERVER



Home directory



Content management



Virtual desktops



Windows and Linux Applications

## Fully managed, built on Windows Server

- No need to manage hardware infrastructure
- Feature parity with on-premises NAS

## Flexible price and performance options

- SSD or HDD
- Single-AZ or Multi-AZ
- Scale throughput and storage independently
- Data deduplication and compression

## Easy migration to AWS

- SMB to SMB with AWS DataSync
- No need to re-platform or re-architect
- Integrates with DFS namespaces

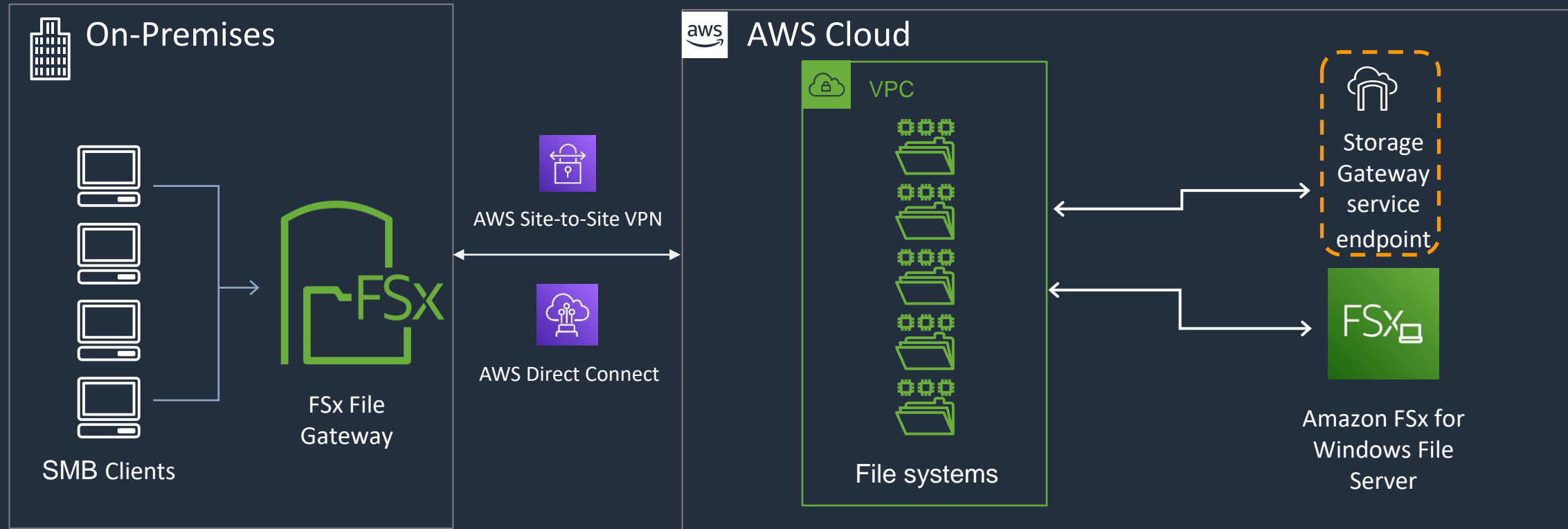
# Accessing Amazon FSx from on-premises

## CUSTOMERS TOLD US THEY WANT TO:

- Access **FSx for Windows File Server** from on-premises for latency and performance sensitive desktop applications
- Provide file services to **multiple locations** and retire legacy file servers but maintain **data protection and security** features
- Reduce **physical NAS** infrastructure
- Improve **bandwidth** efficiency

# Amazon FSx File Gateway

LOW-LATENCY ACCESS TO AMAZON FSX FILE SHARES



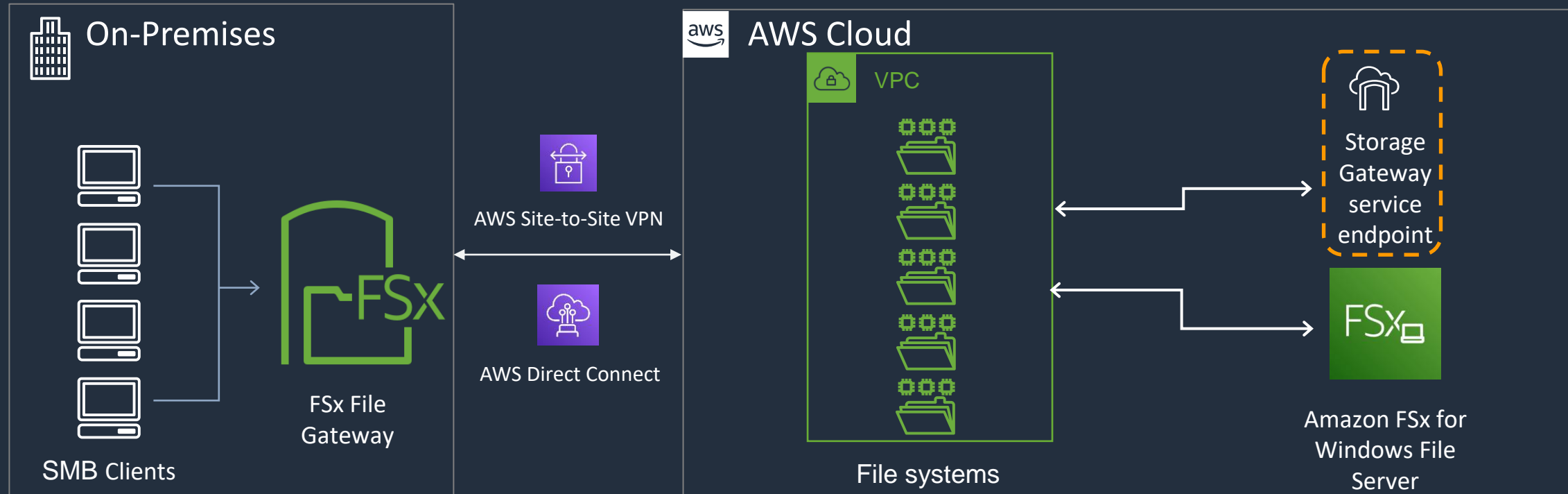
## Use Cases:

Multi-user interactive file sharing such as group shares, project shares, home directories, media editing, CAD/CAM



# Amazon FSx File Gateway

LOW-LATENCY ACCESS TO AMAZON FSX FILE SHARES



## Features

On-premises cache of commonly accessed files backed by Amazon FSx for Windows File Server

Deploy multiple FSx File Gateways in offices or remote sites with full-sized Windows ACLs

Up to 64TB cache and 500 active clients per gateway

High availability with on-premises cache on VMware

## Benefits

Fast and efficient access

Maintain on-premises user experience

Reduce infrastructure management

