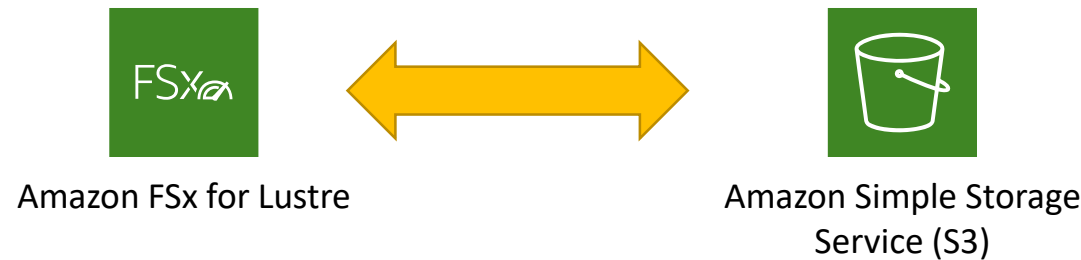# Additional Storage Options

Amazon Web Services

Amazon FSx for Lustre

Amazon FSx for Lustre is a managed file systems designed for compute-intensive workloads, such as high-performance computing, machine learning, and media processing workflows. Applications that require high performance and low latencies of scale-out and parallel file systems can benefit from FSx for Lustre. You can launch and run a Lustre file system that can process massive datasets at up to hundreds of gigabytes per second of throughput, millions of IOPS, and submillisecond latencies.

Amazon FsX for Lustre

Amazon FSx for Lustre provides high-performance storage at low cost, because it is non-replicated, on-demand storage for short-term, compute-intensive processing of datasets. It integrates with S3 where long term datasets can reside.

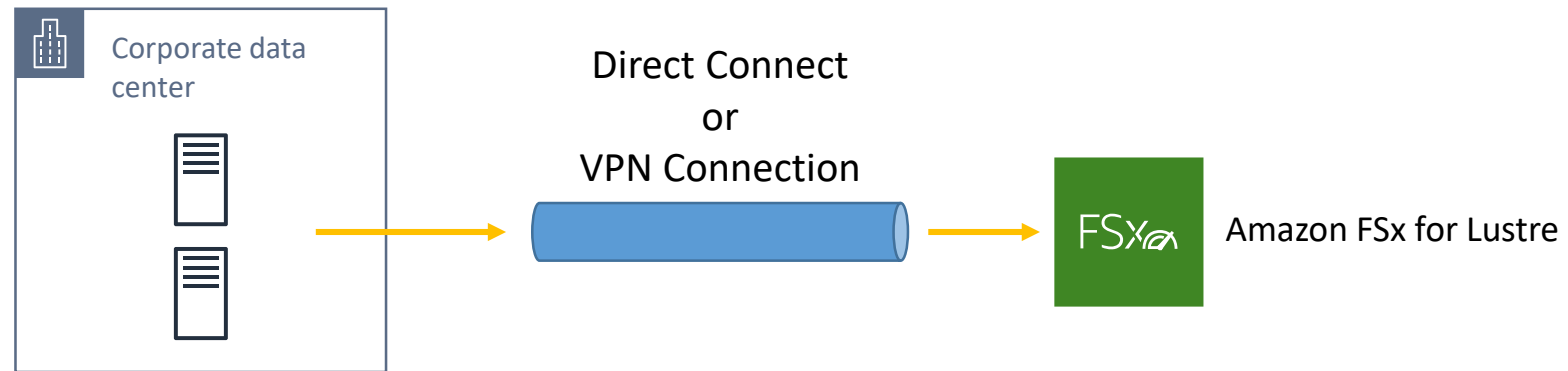Amazon FSx for Lustre

Amazon Simple Storage Service (S3)

Usage Example
- Automatically copy Amazon S3 data into your file system
- Run compute-intensive processing and analysis on your data
- Write results back to S3

Amazon FsX for Lustre

Amazon FSx for Lustre also enables you to burst your compute-intensive workloads from on-premises to the AWS Cloud by importing data over AWS Direct Connect or VPN.

Corporate data center

Direct Connect
or
VPN Connection

FSx

Amazon FSx for Lustre

With Amazon FSx for Lustre, there are no upfront hardware or software costs. You pay for only the resources used, with no minimum commitments or set up costs.

Amazon FSx for Windows File Server

Amazon FSx for Windows File Server is service comprised of fully managed Microsoft Windows file servers, that has native support for Windows file system features and for the industry-standard Server Message Block (SMB) protocol to access file storage over a network. This means your Windows and latest Linux based EC2 instances can use the SMB protocol to access file shares and folders using DNS names. You can create and manage as many other Windows file shares as you want using the Windows Shared Folders graphical user interface (GUI) tool.

Amazon FSx for Windows File Server

Amazon FSx for Windows File Server – Features

- Access your shares from all Windows versions starting from Windows Server 2008 and Windows 7, as well as from current versions of Linux.

- Map your FSx file shares on Amazon Elastic Compute Cloud (Amazon EC2) instances

- Access your file shares from on-premises compute instances using AWS Direct Connect or AWS VPN.

- Amazon FSx supports the use of Microsoft Distributed File System (DFS). Amazon FSx uses DFS for file system deployments across multiple AZs, organizing data on multiple file systems into one common folder structure, for scale-out performance.

Next Video

Elastic Load Balancer