Using DFS Namespaces with Amazon FSx for Windows File Server

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Agenda

- Discuss how Microsoft Distributed File System (DFS) extends the capabilities of Amazon FSx for Windows File Server
- Walk through how to setup DFS Namespace with Amazon FSx for Windows File Server

Amazon FSx for Windows File Server File System Access

- Users need to know the DNS name of the file systems to map a file share

\\fs-0123456789.example.com\Sales

\\fs-5678901234.example.com\Marketing

\\fs-9876543210.example.com\Projects

- File system (32GB - 64TB)
- Data encrypted at rest and in transit
- Data replicated automatically in availability zone (AZ)

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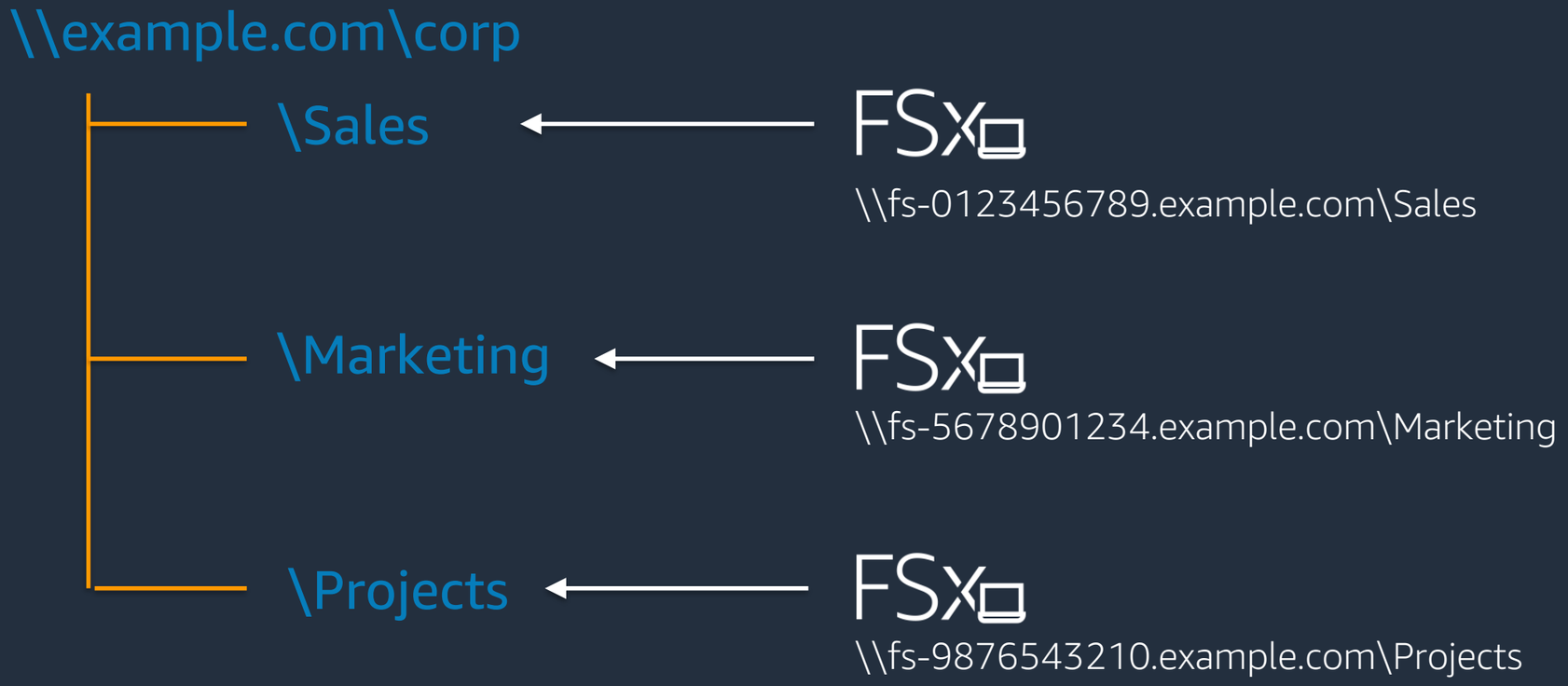
Demo: Using Amazon FSx for Windows File Server File System

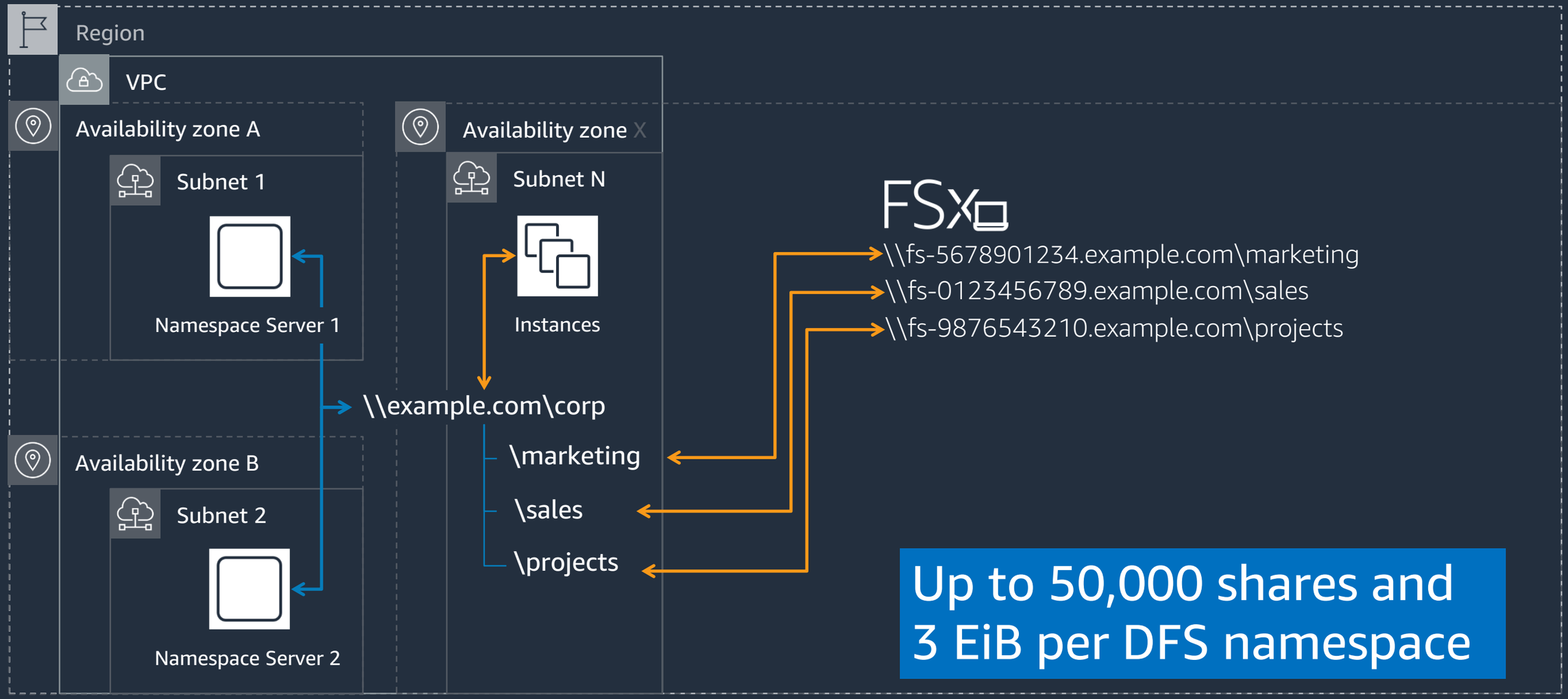
Microsoft DFS with Amazon FSx for Windows File Server helps organize information

- With DFS, you can create a DFS hierarchy (namespace) and map Amazon FSx for Windows File Server file systems into the hierarchy



Demo: Using Amazon FSx file system with DFS

Use DFS to organize large amounts of data



Scale-out performance using data sharding

- Use DFS Namespaces to increase throughput performance by sharding data across multiple file systems

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

Demo: Creating DFS Namespace and integrating with Amazon FSx for Windows File Server

Summary

- Leveraging DFS Namespace with Amazon FSx for Windows File Server enables you to:
  - Organize large amounts of data
  - Simplify user access to shared folders
  - Scale performance with data sharding

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References

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/features/

Thank you!