

Azure file sync

What, where, how, why?

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Agenda

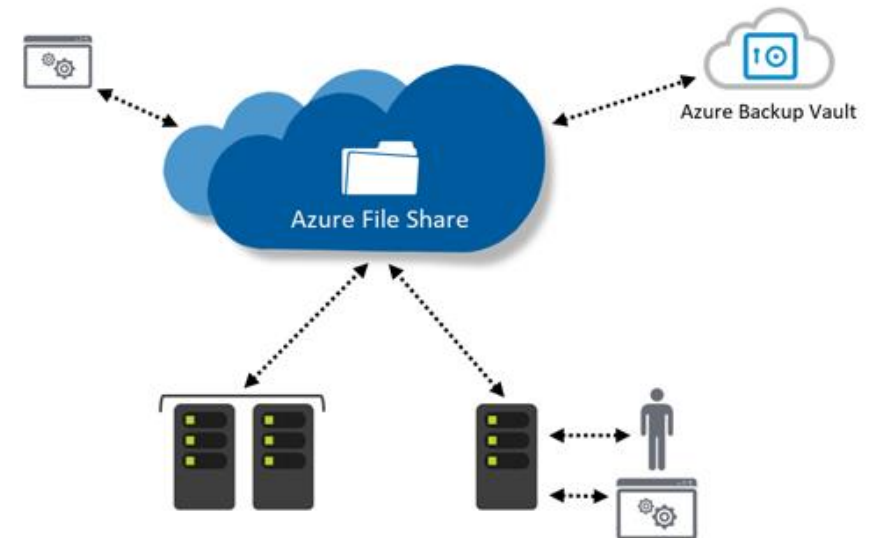
- What are Azure Files and Azure File Sync
- How to create Azure File Share and Azure File Sync
- How to configure Storage Sync Service
- Demo ...
- Demo ...
- Demo ...
- Demo ...

What is Azure Files

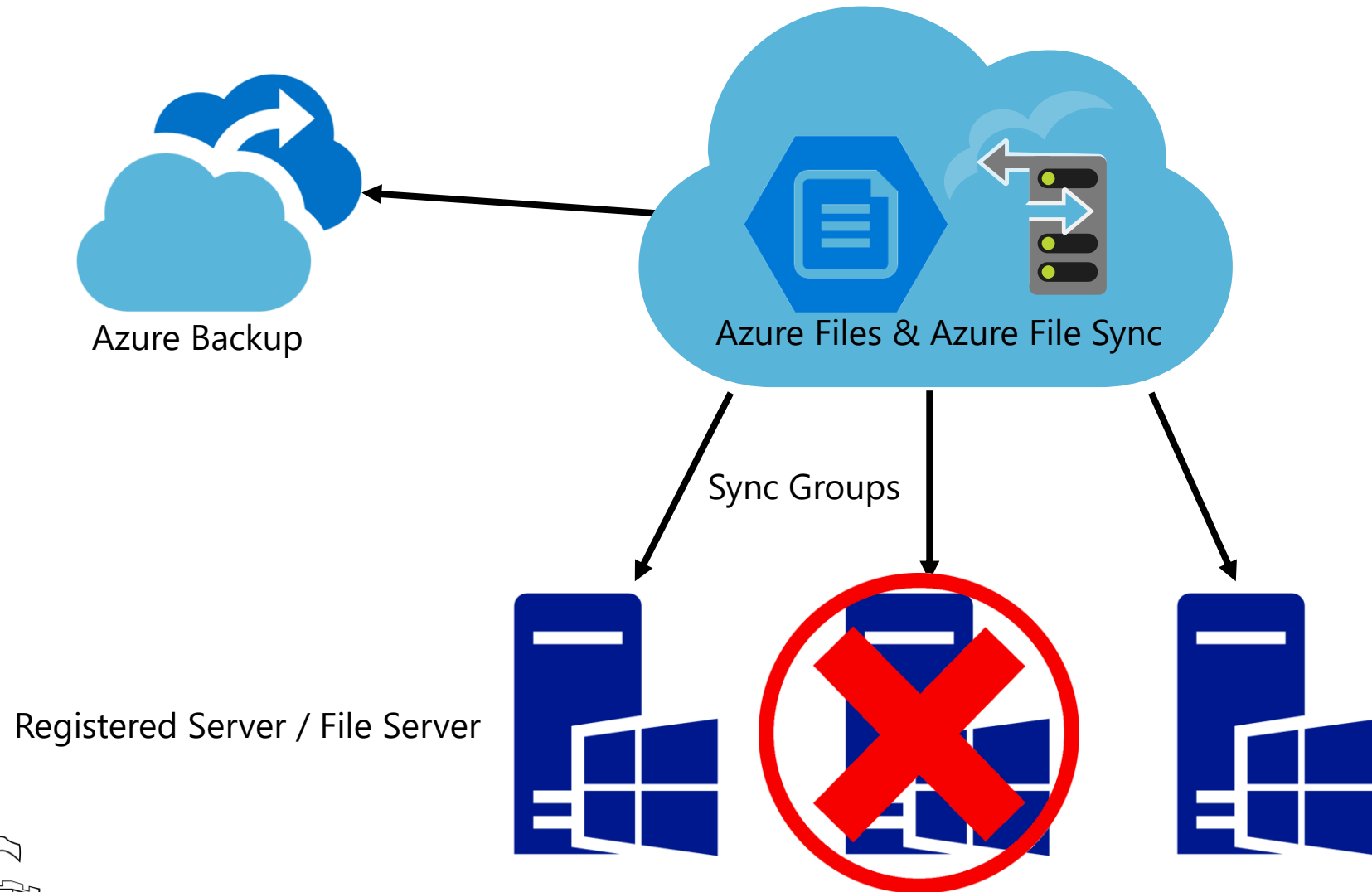
- As one of Azure Storage services, Azure Files offers fully managed file shares in the cloud that are accessible SMB
- Azure file shares can be mounted by Windows, Linux and macOS
- Azure Files offers
 - *Shared access – Support SMB as industry standard*
 - *Fully managed - Created without need to manage hardware or an OS*
 - *Scripting and tooling – PowerShell and CLI can be used for management*
 - *Resiliency – Always available*

What is Azure File Sync

- Azure File Sync can be used to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server
- Azure File Sync can keep or cache Azure Files data on Windows Servers, for client's faster access



Why we need to use this?



Azure File Sync components (1)

- Storage Sync Service
 - *Top-level Azure resource*
- Sync group
 - *Defines the sync topology for a set of files*
- Registered server
 - *Object that represents a trust relationship between your server and the Storage Sync Service*

Azure File Sync components (2)

- Azure File Sync agent
 - *Downloadable package that enables Windows Server to be synced with an Azure file share*
- Server endpoint
 - *Represents a specific location on a registered server*
- Cloud endpoint
 - *Azure file share that is part of a sync group*
- Cloud tiering
 - *Optional feature that enables caching of frequently accessed files*

How to create Azure Files and File Sync

1. Deploy unique Storage account
2. Create File Share in storage account
3. Deploy Azure File Sync
4. Create Sync group
5. Install Storage Sync Service agent on File Server
6. Add File Server as a Server endpoint to Sync group



DEMO



Limitations

How can we improve Azure Storage?

Limitations for Azure file share backup during Preview

Backup for Azure file shares is in Preview. Azure file shares in both general-purpose v1 and general-purpose v2 storage accounts are supported. The following backup scenarios aren't supported for Azure file shares:

- Support for Backup of Azure File Shares in Storage Accounts with [zone redundant storage](#) (ZRS) replication is currently limited to [these regions](#).
- There is no CLI available for protecting Azure Files using Azure Backup.
- Azure Backup currently supports configuring scheduled once-daily backups of Azure File Shares.
- The maximum number of scheduled backups per day is one.
- The maximum number of on-demand backups per day is four.
- Use [resource locks](#) on the storage account to prevent accidental deletion of backups in your Recovery Services vault.
- Do not delete snapshots created by Azure Backup. Deleting snapshots can result in loss of recovery points and/or restore failures.
- Do not delete file shares that are protected by Azure Backup. The current solution will delete all snapshots taken by Azure Backup once the file share is deleted and hence lose all restore points.

ANY
QUESTIONS?



Thank you !!!

