**Microsoft Azure Fundamentals: Azure Files**

**Azure Files**

* Cloud-based shared folders configured in a storage account
* Accessible via server message block (SMB) and network file system (NFS) file sharing protocols

**Windows File Share Settings**

* https://storageaccount.file.core.windows.net/sharename
* Quota in gigabytes (GBs), soft delete, snapshots, backups
* Storage tier: Transaction optimized, hot, cool

**PowerShell - Map Drive Letter**

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Automatisch generierte Beschreibung

**Map Drives to Azure File Shares**

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Automatisch generierte Beschreibung

**Linux - Mount Point to Azure SMB File Share**

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**Managing Azure Files with the Azure Portal**

* Storage Accounts 🡪 File Shares

**Managing Azure Files with the Command-line Interface (CLI)**

Az storage account list –query [].name

ACCOUNT=“storacctapp100“

Az storage account keys list

echo $KEY

az storage share list –account-name $ACCOUNT --account-key $KEY –query [].name

az storage file upload --account-key $KEY --account-name $ACCOUNT --query [].name

**Managing Azure Files with PowerShell**

get-command \*storageshare\*

get-command \*azstorage\*

get-azstorageaccount

$ctx=get-azstorageaccount -r EAST -name storacctapp100

New-azstorageshare -name budgets -context $ctx

Get-atstorageshare -name budgets – context $ctx

Set-azstoragefilecontent -sharename budgets -source .Budget1.txt context $ctx

Get-azstoragefile -sharename budgets -context $ctx

**Mapping Azure File Shares in Windows**

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net use

**Mapping Azure File Shares in Windows**

File Shares 🡪 projects 🡪 connect

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Cd /mnt/projects

Tail /etc/fstab

Cd ..

Sudo umount /mnt/projects

**Azure File Sync**

On-premises file server 🡨🡪 Azure storage

**Prepare On-premises Server for Azure File Sync**

* Supports Windows Server, including Server Core
* Disable IE Enhanced Security Configuration (ESC) for serverregistration
* Allow for more time and compute resources during initial sync

**Configure Azure File Sync**

1. Create a file share
2. Create a Storage Sync Service resource
3. Create a sync group within the resource
4. Download and install the File Sync agent
5. Register the File Sync agent, add server
6. endpoint to sync group

**Azure File Sync Agent for On-premises Servers**

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**Server Registration Permissions**

* Storage Sync Service resource
* "Owner" or "Contributor" role-based access control (RBAC) role

**Register File Server with Azure**

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**Configuring Azure File Sync**

Storage Accounts 🡪 „sampleacc“ 🡪 File Share

* Azure File Sync
* Azure File Sync Agent for on premise

**Classifying Data Using Microsoft Purview Governance**

* Microsoft Purview accounts