

Mount the Azure file share

- Overview
- Problem
- Solution
- Related articles

Overview

Platform:	Azure
Owner of this SOP:	Fully Managed POD A
Cloud Services:	File Share

Problem

- When requesters are asking to Mount the Azure file share

Tester	Reviewer
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Solution

File Share mount is done in 2 ways.

Solution -1

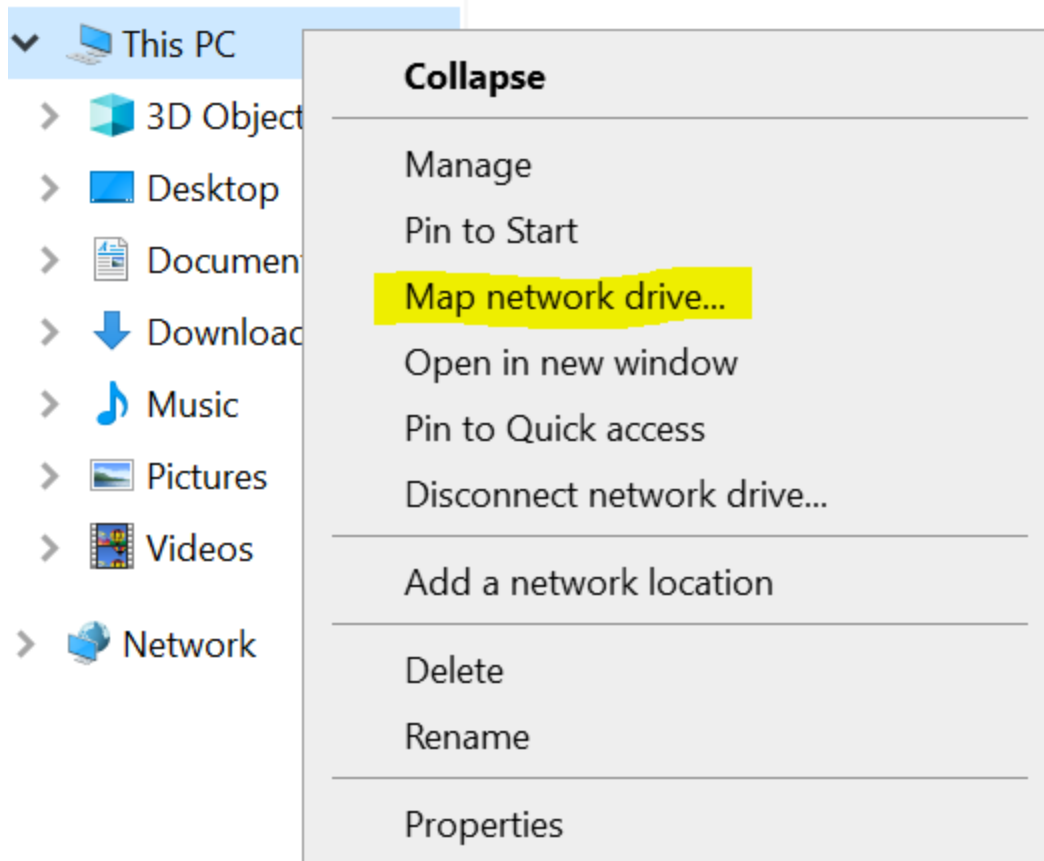
- Open the Azure Portal, select storage account and select file share.
- Refer the Storage path in the file share properties.

[Home](#) > [storageaccountpoda](#) | [File shares](#) > [soptestfiledeleteafteruse](#)

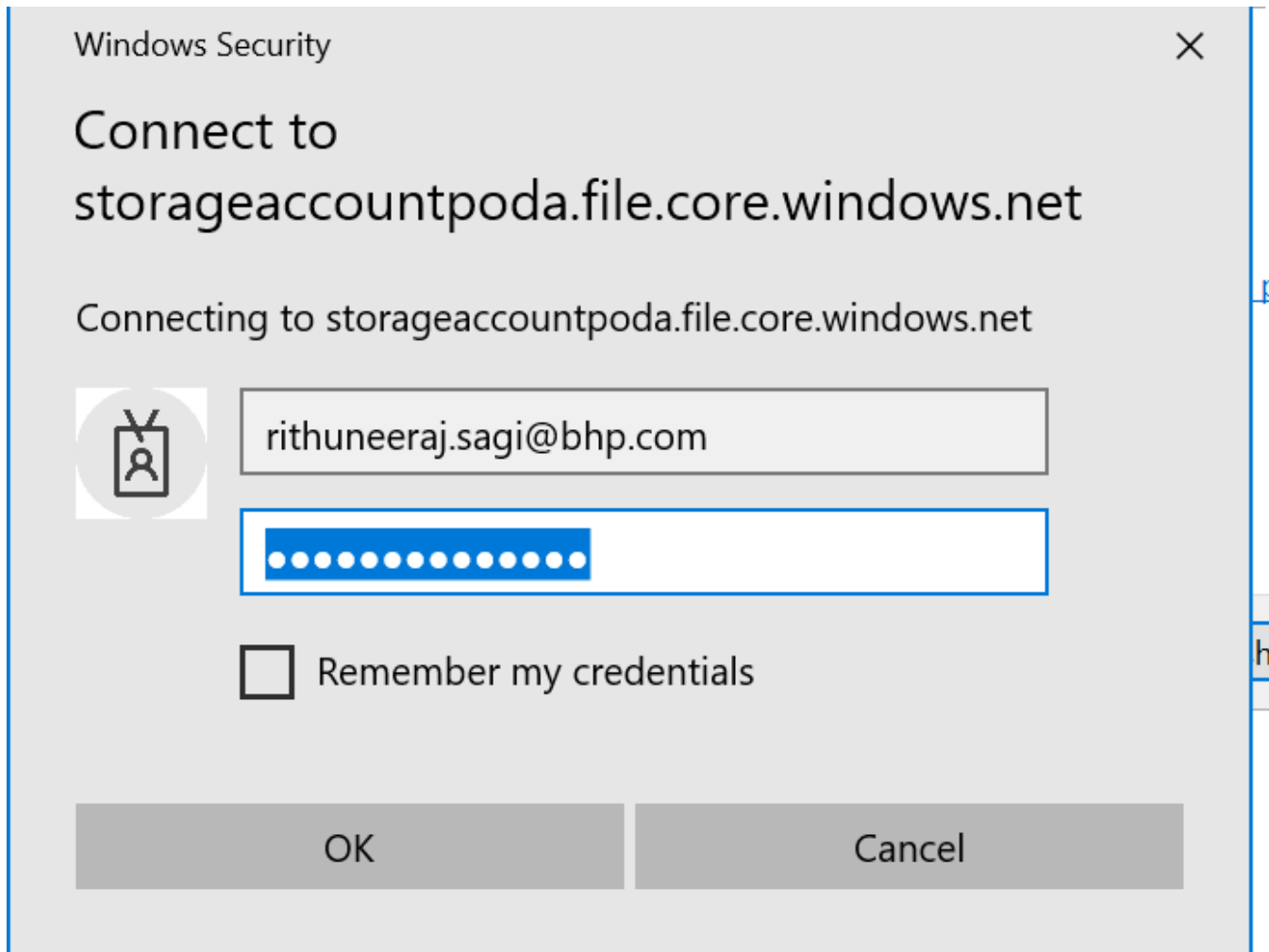
The screenshot shows the 'Properties' tab of a file share in the Azure Portal. The left sidebar contains navigation options: Overview, Diagnose and solve problems, Access Control (IAM), Settings, Properties (selected), Operations, Snapshots, and Backup. The main content area displays the following details for the file share 'soptestfiledeleteafteruse':

- NAME:** soptestfiledeleteafteruse
- URL:** <https://storageaccountpoda.file.core.windows.net/soptestfiledeleteafteruse> (highlighted in yellow with a 'Copy to clipboard' button)
- LAST MODIFIED:** 10/6/2022, 4:41:10 PM
- ETAG:** 0x8DAA78B797C693D
- QUOTA:** 5 TiB
- USAGE:** 0 B

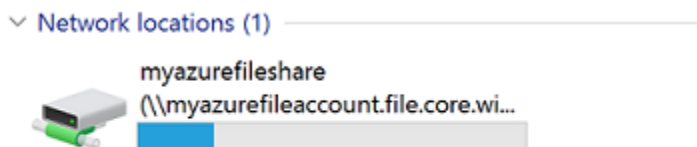
- The UNC path format is `\\<storageAccountName>.file.core.windows.net\<fileShareName>` (Replace forward slashes // with backward slashes \ and remove http).
- For example: `\\anexampleaccountname.file.core.windows.net\file-share-name`.
- Check the **Connect using different credentials** checkbox. Select **Finish**.
- Open File Explorer by opening it from the Start Menu, or by pressing the Win+E shortcut.
- Navigate to **This PC** on the left-hand side of the window. This will change the menus available in the ribbon. Under the Computer menu, select **Map network drive**.
-



- Select **More choices** > **Use a different account**. Under **Email address**, use the storage account name, and use a storage account key as the password. Select **OK**.



- Use Azure file share as desired and now your drive is mapped.



- When you're ready to dismount the Azure file share, right-click on the entry for the share under the **Network locations** in File Explorer and select **Disconnect**.

Solution -2

The Azure portal provides you with a script that you can use to mount your file share directly to a host. We recommend using this provided script.

- Open the Azure Portal, select storage account and select file share.

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File share settings

Active Directory: **Configured** Default share-level permissions: **Disabled** Soft delete: **7 days** Maximum capacity: **5 TiB**

Security: **Maximum compatibility**

Search file shares by prefix (case-sensitive) ☐ Show deleted shares

Name	Modified	Tier	Quota
fmpodafs	9/29/2022, 3:38:40 PM	Transaction optimized	50 GiB
fmpodafs1	10/4/2022, 4:01:06 PM	Transaction optimized	50 GiB
fmpodafs2	10/4/2022, 4:12:35 PM	Transaction optimized	50 GiB

- Click on **Connect**.
- Select the drive letter to mount the share to.
- Select Active Directory

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Connect

Windows Linux macOS

To connect to this Azure file share from Windows, choose from the following authentication methods and run the PowerShell commands from a normal (not elevated) PowerShell terminal:

Drive letter: **Z**

Authentication method:
☒ **Active Directory**
☐ Storage account key

☒ Identity-based access is configured for this storage account. Ensure the account used with the following command has permissions to this share. [Learn more](#)

Show Script

This script will check to see if this storage account is accessible via TCP port 445, which is the port SMB uses. If port 445 is available, your Azure file share will be persistently mounted. Your organization or internet service provider (ISP) may block port 445, however you may use Azure [Point-to-Site \(P2S\) VPN](#), Azure [Site-to-Site \(S2S\) VPN](#), or [ExpressRoute](#) to tunnel SMB traffic to your Azure file share over a different port.

- Copy the provided script.

Home > it1toolingst2 | File shares >

fmpodafs ...
File share

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Properties

Operations

Snapshots

Backup

Connect Upload Add directory Refresh D

Search files by prefix

Name

No files found.

Connect

fmpodafs

✓ Identity-based access is configured for this storage account. Ensure the account used with the following command has permissions to this share. [Learn more](#)

Hide Script

```
$connectTestResult = Test-NetConnection -ComputerName  
it1toolingst2.file.core.windows.net -Port 445  
if ($connectTestResult.TcpTestSucceeded) {  
    # Mount the drive  
    New-PSDrive -Name Z -PSProvider FileSystem -Root  
    "\\it1toolingst2.file.core.windows.net\fmpodafs" -Persist  
} else {  
    Write-Error -Message "Unable to reach the Azure storage account via port 445.  
    Check to make sure your organization or ISP is not blocking port 445, or use Azure  
    P2S VPN, Azure S2S VPN, or Express Route to tunnel SMB traffic over a different  
    port."  
}
```

- Paste the script into a shell on the host you'd like to mount the file share to and run it.

You have now mounted your Azure file share.

Related articles

- [Provision Azure File Share with Private Endpoint and Storage Account - Cloud Platform - Confluence \(atlassian.net\)](#)
- [FileShare soft delete - Cloud Platform - Confluence \(atlassian.net\)](#)
- [Schedule backups on Azure File Share - Cloud Platform - Confluence \(atlassian.net\)](#)
- [File Share - Files restore from snapshot or backup - Cloud Platform - Confluence \(atlassian.net\)](#)