

Mapping and using Azure File Share in Lاسernet without using Microsoft Entra ID

- 2024-01-18 - Comments (0) - Lاسernet Developer FAQs

Lاسernet

If you plan on using Azure File Share with Lاسernet Developer and Service without using the Microsoft Entra ID, you can follow the example steps listed in this article. We have tested with the settings shown in the screenshots, but other methods may also work.

Steps

1. Open a Storage Account in Azure and mirror the settings displayed in the following image:



2. Create a new File Share using the settings displayed in the following image:

New file share ✕

Name *
flashareazure ✓

Quota ⓘ
50 ✓
Set to maximum GiB

Tiers ⓘ

- Premium
- Transaction optimized
- Hot
- Cool

3. To make a connection from Windows, go to **Connect** on the File Share and copy the text in the grey script box.

Connect
flashareazure

⚠ "Secure transfer required" is enabled on the storage account. SMB clients connecting to this share must support SMB protocol version 3 or higher in order to handle the encryption requirement. [Click here to learn more.](#)

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

ℹ Connecting to a share using the storage account key is only appropriate for admin access. Utilizing Active Directory allows to differentiate file and folder access, per AD account, within a share. [Learn more](#)

```
$connectTestResult = Test-NetConnection -ComputerName  
flemmingssupport.file.core.windows.net -Port 445  
if ($connectTestResult.TcpTestSucceeded) {  
    # Save the password so the drive will persist on reboot  
    cmd.exe /C "cmdkey /add:"flemmingssupport.file.core.windows.net"  
    /user:"Azure\flemmingssupport"
```

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.

[Learn how to circumvent the port 445 problem \(VPN\)](#)

4. Open PowerShell > paste the text into the PowerShell command line > press **enter**. The following is displayed:

```

Windows PowerShell
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PS C:\Users\flemming1> $connectTestResult = Test-NetConnection -ComputerName flemming1support.file.core.windows.net -Port 445
> if ($connectTestResult.TcpTestSucceeded) {
>   # Save the password so the drive will persist on reboot
>   cmd.exe /C "cmdkey /add:"flemming1support.file.core.windows.net" /user:"Azure\flemming1support" /pass:"Su8k...
>   # Mount the drive
>   New-PSDrive -Name Z -PSProvider FileSystem -Root "\\flemming1support.file.core.windows.net\flashshareazure" -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."
> }

CMDKEY: Credential added successfully.

Name            Used (GB)  Free (GB) Provider      Root
-----
Z                0,00      50,00  FileSystem    \\flemming1support.file.core.win...
CurrentLocation
-----

PS C:\Users\flemming1>

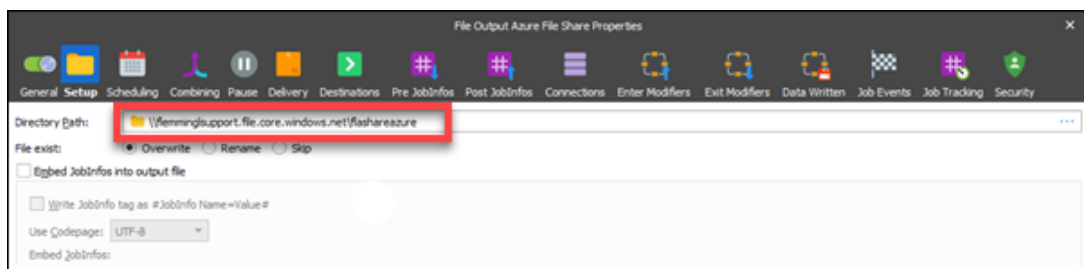
```

The Azure File Share is mapped to your account in Windows permanently.

Map to Lasernet

To allow it to work with Lascript, follow these steps:

1. Open Lascript Developer and set your service to run as the same user.
2. Click the **Setup** tab on the **Output Module** and enter the full path (not the drive letter) into the *Directory Path* field.



Both File Input and File Output tested.