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

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

If you plan on using Azure File Share with Lasernet 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

ⓘ 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

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

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)

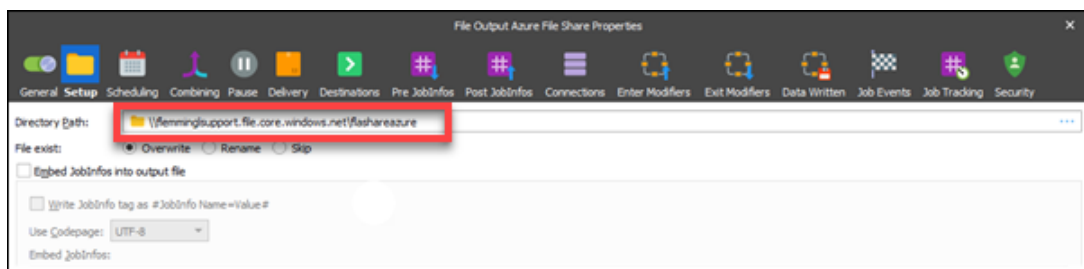4. Open PowerShell > paste the text into the PowerShell command line > press **enter**. The following is displayed:

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

Map to Lasernet

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

1. Open Lasernet 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.