Practical Task 4: Configuring Azure File Share and Mounting on a Local Machine

Set up and access Azure File Storage for shared file access.
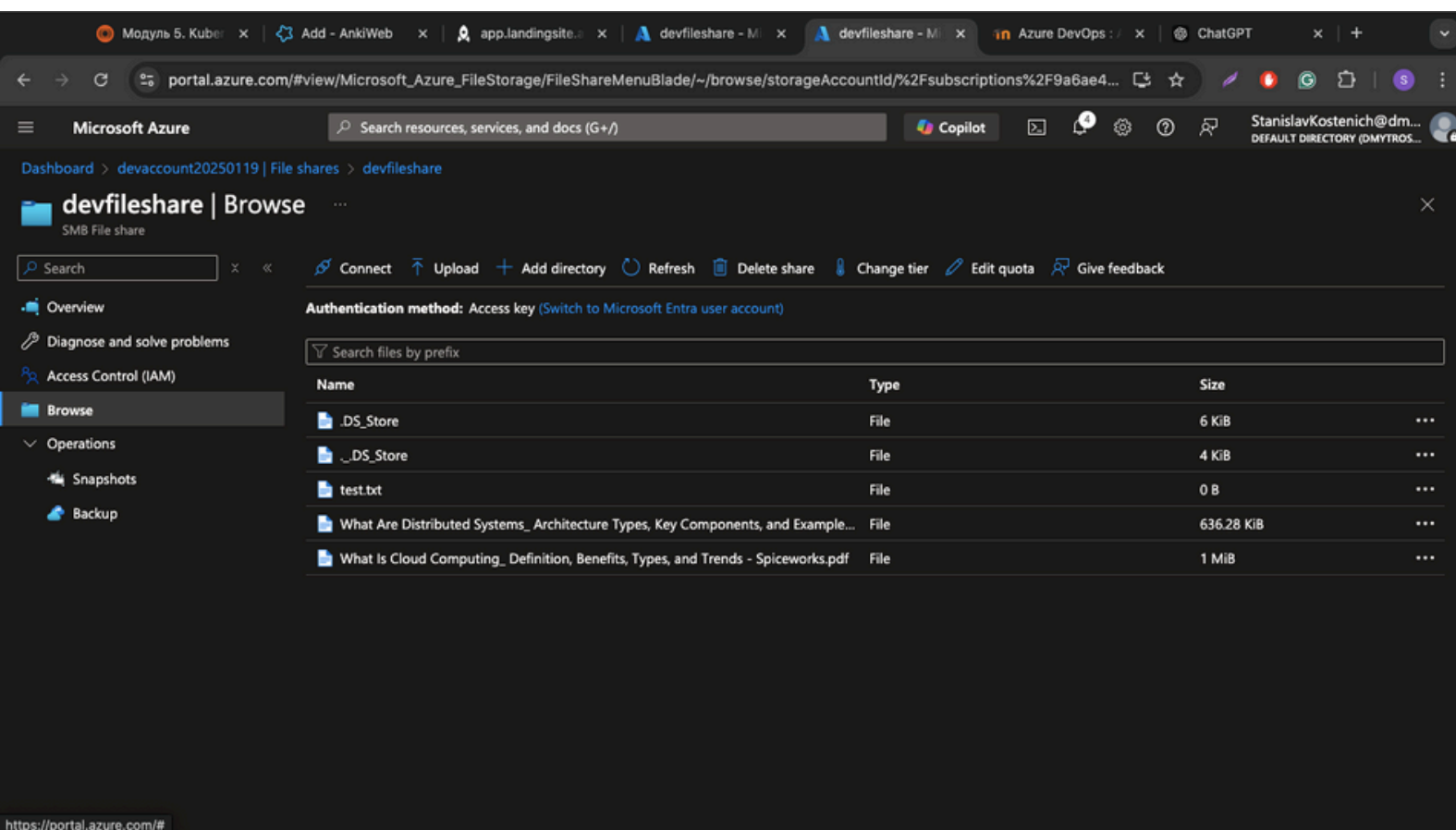
Requirements:

1. Create a storage account and set up an Azure File Share.

2. Upload a file to the file share using the Azure portal.

3. Generate a connection script for Windows or Linux and use it to mount the file share on your local machine.

4. Verify the mounted file share and ensure it displays the uploaded file.

5. Add another file to the file share from the local machine and confirm it reflects in Azure.

Practical Task 5: Storing and Querying Data with Azure Table Storage

Set up and use Azure Table Storage for structured data.

Requirements:

Dashboard > devaccount20250119 | File shares > devfileshare

📁 devfileshare | Browse
SMB File share

| | Search | × | « |

- Overview
- Diagnose and solve problems
- Access Control (IAM)
- **Browse**
- ∨ Operations
  - Snapshots
  - Backup

🖉 Connect ⬆ Upload ➕ Add directory ↻ Refresh 🗑 Delete share ⚿ Change tier ✎ Edit quota ⟲ Give feedback

Authentication method: Access key (Switch to Microsoft Entra user account)

Search files by prefix

Name	Type	Size
📄 .DS_Store	File	6 KiB
📄 ._.DS_Store	File	4 KiB
📄 test.txt	File	0 B
📄 What Are Distributed Systems_ Architecture Types, Key Components, and Example...	File	636.28 KiB
📄 What Is Cloud Computing_ Definition, Benefits, Types, and Trends - Spiceworks.pdf	File	1 MiB

```
sks-MacBook-Air:04 Compute tasts sk$ touch test.txt
sks-MacBook-Air:04 Compute tasts sk$ ls -la /Volumes/devfileshare
total 3377
drwx------  1 sk    staff     16384 Jan 21 19:04 .
drwxr-xr-x  8 root  wheel       256 Jan 21 19:09 ..
-rwx------@ 1 sk    staff      6148 Jan 21 19:04 .DS_Store
-rwx------  1 sk    staff      4096 Jan 21 19:04 ._.DS_Store
-rwx------  1 sk    staff    651553 Jan 21 19:02 What Are Distributed Systems_ Architecture Types, Key Components,
 and Examples - Spiceworks.pdf
-rwx------  1 sk    staff   1050044 Jan 21 19:02 What Is Cloud Computing_ Definition, Benefits, Types, and Trends
 - Spiceworks.pdf
sks-MacBook-Air:04 Compute tasts sk$ touch -help
touch: illegal option -- e
usage:
touch [-A [-][[hh]mm]SS] [-acfhm] [-r file] [-t [[CC]YY]MMDDhhmm[.SS]] file ...
sks-MacBook-Air:04 Compute tasts sk$ touch test.txt
sks-MacBook-Air:04 Compute tasts sk$ mv test.txt /Volumes/devfileshare
sks-MacBook-Air:04 Compute tasts sk$ ls -la /Volumes/devfileshare
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drwx------  1 sk    staff     16384 Jan 21 19:04 .
drwxr-xr-x  8 root  wheel       256 Jan 21 19:09 ..
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-rwx------  1 sk    staff    651553 Jan 21 19:02 What Are Distributed Systems_ Architecture Types, Key Components,
 and Examples - Spiceworks.pdf
-rwx------  1 sk    staff   1050044 Jan 21 19:02 What Is Cloud Computing_ Definition, Benefits, Types, and Trends
 - Spiceworks.pdf
-rwx------  1 sk    staff         0 Jan 21 19:11 test.txt
sks-MacBook-Air:04 Compute tasts sk$
```

~/Downloads — mc [sk@sks-MacBook-Air.local]:~/Documents/AzureDevOps — ping 8.8.8.8   ⌃⌥⌘   ~/Documents/AzureDevOps/04 Compute tasts — azureuser@dev-web-cus-01: ~ — -bash   +

sks-MacBook-Air:04 Compute tasts sk$ open smb://devaccount20250119:OQExpAEthq%2FkZYNTWG0kwJ2qs4jeopYvi%2BRQR4aKKH
obKzK9SYDDox3tyF0Je0TO3Iw75UZTIUJQ%2BASt0ZrgTw%3D%3D@devaccount20250119.file.core.windows.net/devfileshare
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sks-MacBook-Air:04 Compute tasts sk$ █

← → C portal.azure.com/#view/Microsoft_Azure_FileStorage/FileShareMenuBlade/~/overview/id/%2Fsubscriptions%2F9a6ae428-d8c3-44f... ☆

Microsoft Azure 🔍 Search resources, services, and docs (G+/) 🟣 Copilot ⬛ 🔔⁴ ⚙️ ❓ 📋 StanislavKostenich@dm...
DEFAULT DIRECTORY (DMYTROS...

Dashboard > devaccount20250119 | File shares > New file share >

📀 devfileshare 📌 ···
SMB File share

🔍 Search   × «   ⊘ Connect   ⬆ Upload   ↻ Refresh   ➕ Add directory   🗑 Delete share

📀 Overview   ⓘ Enable Backup for file share "devfileshare" to protect your data. Learn more

🔧 Diagnose and solve problems   ∧ Essentials

👥 Access Control (IAM)   Storage account   : devaccount20250119

📁 Browse   Resource group (...   : StanislavKostenich

∨ Operations   Location   : Central US

   📀 Snapshots   Subscription (move)   : Azure subscription 1

   📀 Backup   Subscription ID   : 9a6ae428-d8c3-44fe-bdf2-4e08593901a0

                                      Properties   Capabilities (2)   Tutorials

                                      📀 **Size**

                                      Maximum storage (GiB)   102400

                                      Used storage capacity (GiB)   0

                                      Access tier   Cool

                                      📀 **Performance**

                                      IOPS ⓘ   Varies by region. Learn more ↗

Connect   ✕
devfileshare

Windows   Linux   **macOS**

Mount point

┌───┐
│ devfileshare   │
└───┘

To connect to this file share snapshot from a macOS computer, run this command via
Terminal and provide the storage account key when prompted:

┌──────────────┐
│ Hide Script │
└──────────────┘
        ┌──────────────┐
        │ Hide Script │
        └──────────────┘
┌───┐
│ open   │
│ smb://devaccount20250119:OQExpAEthq%2FkZYNTWG0kwJ2qs4jeopYvi%2BRQ │
│ R4aKKHobKzK9SYDDox3tyF0Je0TO3lw75UZTIUJQ%2BASt0ZrgTw%3D%3D@dev │
│ account20250119.file.core.windows.net/devfileshare   │
│   📋 │
└───┘

TCP port 445 needs to be open for this command to work. Your organization or
internet service provider (ISP) may block port 445. Please work with your organization
or ISP to open port 445. However, you may use Azure Site-to-Site (S2S) VPN or
ExpressRoute to tunnel SMB traffic to your Azure file share over a different port.

Learn more about Azure File Storage with macOS

                                                    📋 Give feedback

Модуль 5. Kube ✕ | Add - AnkiWeb ✕ | app.landingsite. ✕ | devaccount2025 ✕ | New file share - ✕ | Azure DevOps : ✕ | ChatGPT ✕ | +

portal.azure.com/#view/Microsoft_Azure_FileStorage/CreateFileShare.ReactView/_provisioningContext~/%7B"initialValues"%3A...

Microsoft Azure   Search resources, services, and docs (G+/)   Copilot   StanislavKostenich@dm...
DEFAULT DIRECTORY (DMYTROS...

Dashboard > devaccount20250119 | File shares

New file share   ...

Basics   Backup   Review + create

Name *   devfileshare

Access tier *   Cool

Performance

Maximum IO/s ⓘ   20000

Maximum capacity   100 TiB

ⓘ To use the SMB protocol with this share, check if you can communicate over port 445. These scripts for Windows clients
and Linux clients can help. Learn how to circumvent port 445 issues.

ⓘ Transaction costs are higher on cooler tiers. It is often more cost effective to start your share on Tx optimized when you plan

Review + create   < Previous   Next : Backup >   Give feedback

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