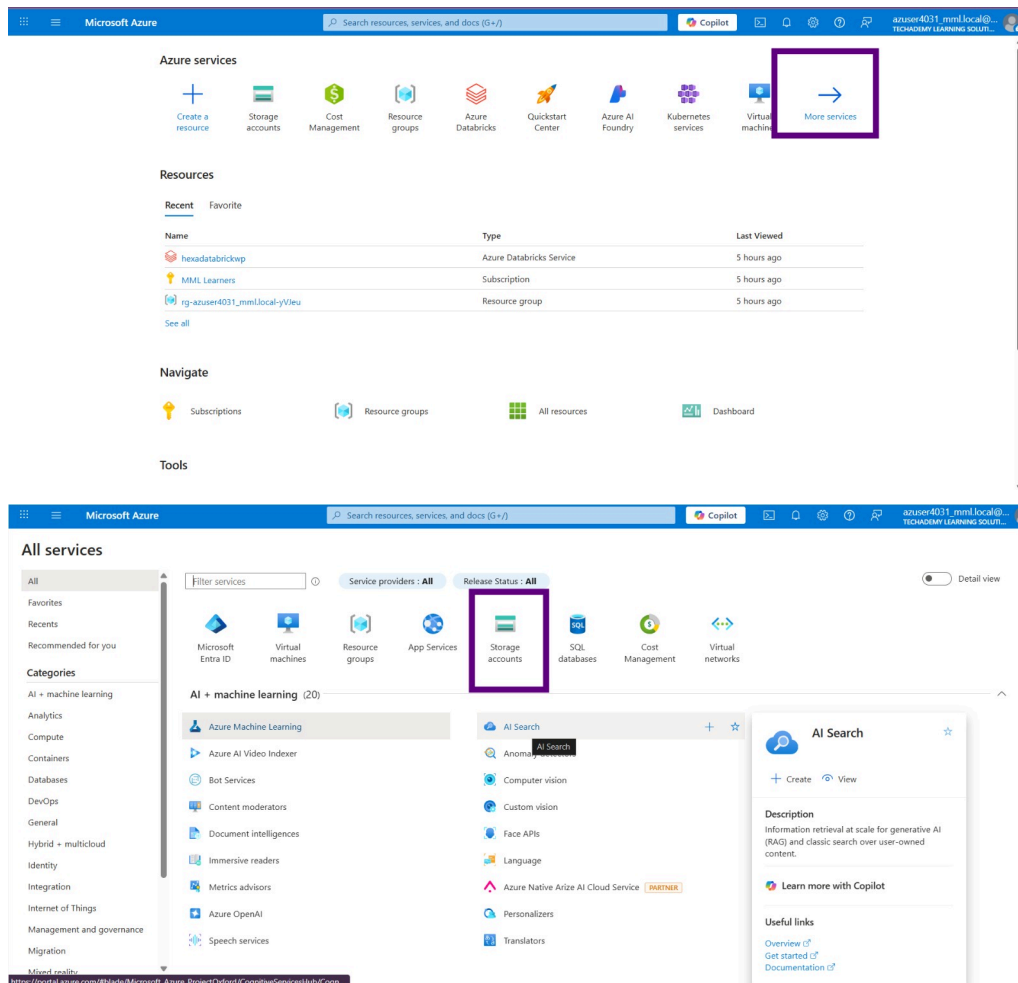


Setting Up Azure Storage Account and Azure Storage Explorer Assignment

Setting Azure Storage Account



Steps to Create a Storage Account

- Log in to the Microsoft Azure portal.
- From the left navigation, select “More Services”, then choose “Storage Accounts.”
- Click on “+ Create” to initiate the storage account creation process



Configuration Details

- Storage Account Name: Use a meaningful name (e.g., hexadatastore01).
- Region: Choose a region closest to your services for optimal performance.
- Primary Service: Select Azure Blob Storage or Azure Data Lake Storage Gen2.
- Performance: Choose Standard.
- Redundancy: Select Locally-redundant storage (LRS).

  Microsoft Azure

Home > Storage accounts >

Create a storage account

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription *

MML Learners

Resource group *

rg-azuser4031_mml.local-yVJeu

[Create new](#)

Instance details

Storage account name * ⓘ

hexadatastore01

Region * ⓘ

(Asia Pacific) Central India

[Deploy to an Azure Extended Zone](#)

Primary service ⓘ

Azure Blob Storage or Azure Data Lake Storage Gen 2

Performance * ⓘ

☒ **Standard:** Recommended for most scenarios (general-purpose v2 account)

☐ **Premium:** Recommended for scenarios that require low latency.

Redundancy * ⓘ

Locally-redundant storage (LRS)

Previous

Next

Review + create

Enable the Following Options

- Require secure transfer for REST API operations
- Allow enabling anonymous access on individual containers
- Enable storage account key access
- Default to Microsoft Entra authorization in the Azure portal
- Enable hierarchical namespace

After selecting the above options, click Review + Create and wait for the deployment to complete.

Create a storage account ...

Security

Configure security settings that impact your storage account.

Require secure transfer for REST API operations ⓘ ☒

Allow enabling anonymous access on individual containers ⓘ ☒

Enable storage account key access ⓘ ☒

Default to Microsoft Entra authorization in the Azure portal ⓘ ☒

Minimum TLS version ⓘ

Version 1.2

Permitted scope for copy operations (preview) ⓘ

From any storage account

Hierarchical Namespace

Hierarchical namespace, complemented by Data Lake Storage Gen2 endpoint, enables file and directory semantics, accelerates big data analytics workloads, and enables access control lists (ACLs) [Learn more](#) ↗

Enable hierarchical namespace ⓘ ☒

Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#) ↗

Previous

Next

Review + create

Once its created it will show the deployment success message, click on go to resource.

Microsoft Azure

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Home >

hexadatastore01_1754550190664 | Overview ⓘ

Deployment

Search ⓘ

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: hexadatastore01_1754550190664

Subscription: MML Learners

Resource group: rg-azuser4031_mml.local-yVJeu

Start time: 8/7/2025, 12:35:07 PM

Correlation ID: 7b1d3edb-da2a-44ba-aae9-f82191167176 ⓘ

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost Management

Get notified to stay within your budget and prevent unexpected charges on your bill. Set up cost alerts >

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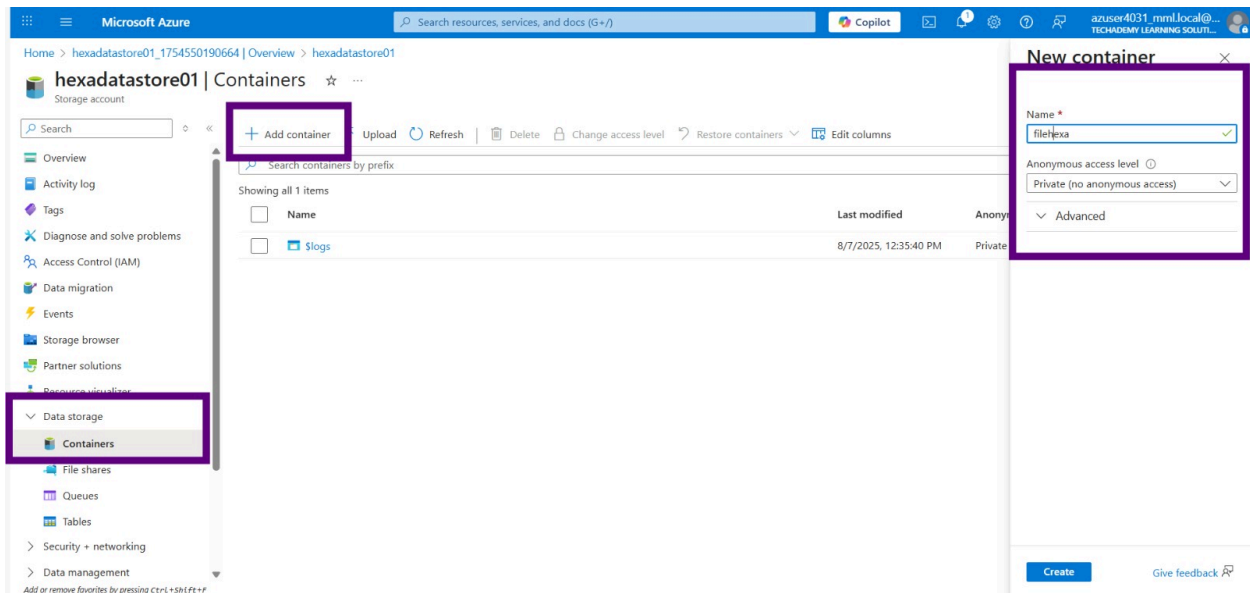
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. Find an Azure expert >

Add or remove favorites by pressing Ctrl+Shift+F

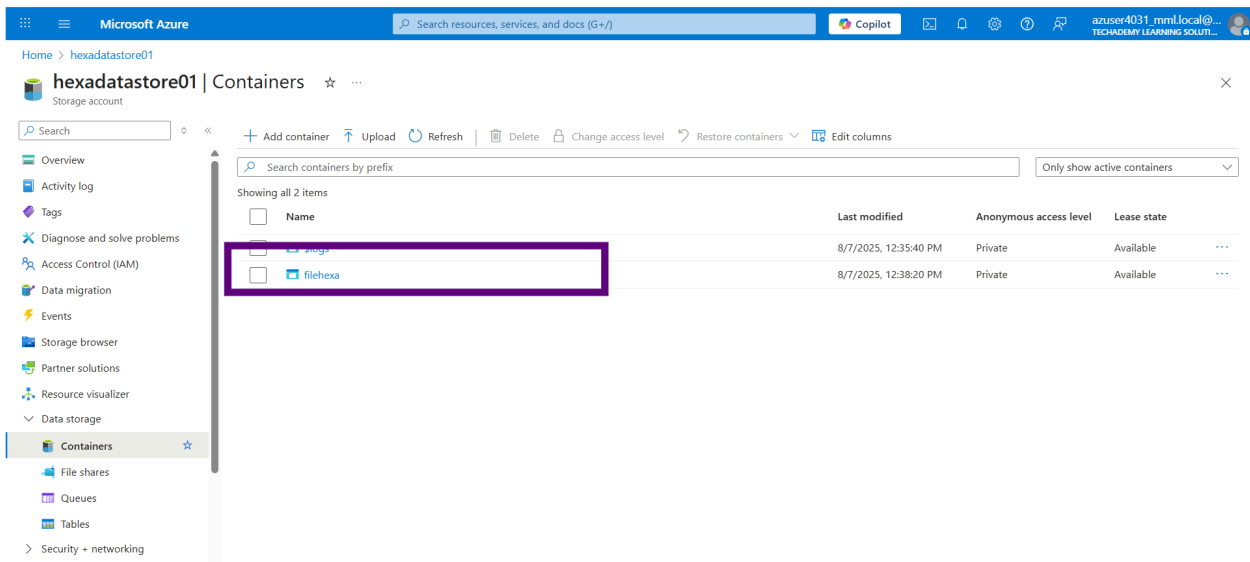
Creating a Container and Uploading a File

Steps to Add a Container:

- After the storage account is created, click on “Go to Resource.”
- Under the “Data storage” section, select “Containers.”
- Click “+ Container”, enter a name (e.g., filehexa), and choose Private (no anonymous access).
- Click “Create.”



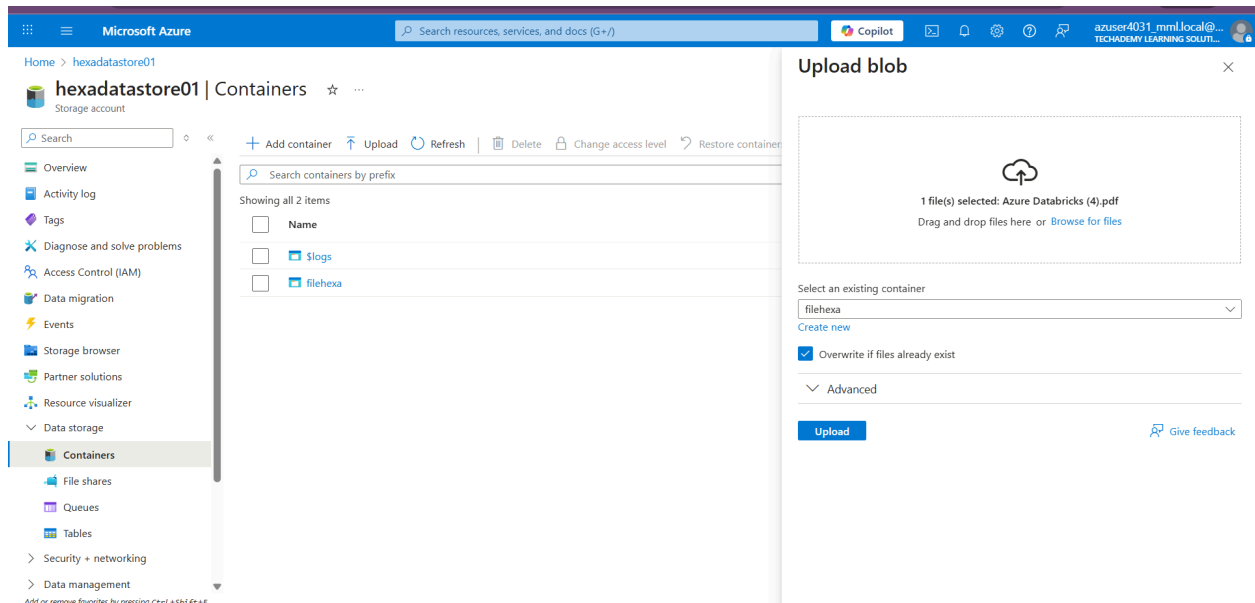
Now we can see the container has been created



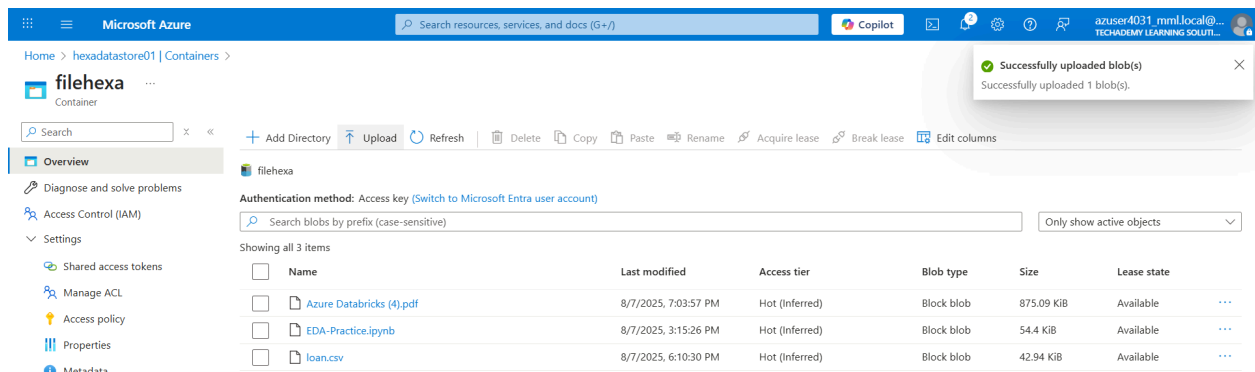
Uploading Files:

- Open the created container (e.g., filehexa).
- Switch to Access Key authentication mode.

- Click “Upload”, choose the file you want to upload.
- Select the destination container and upload the file.
- You’ll see a success message confirming the file upload.



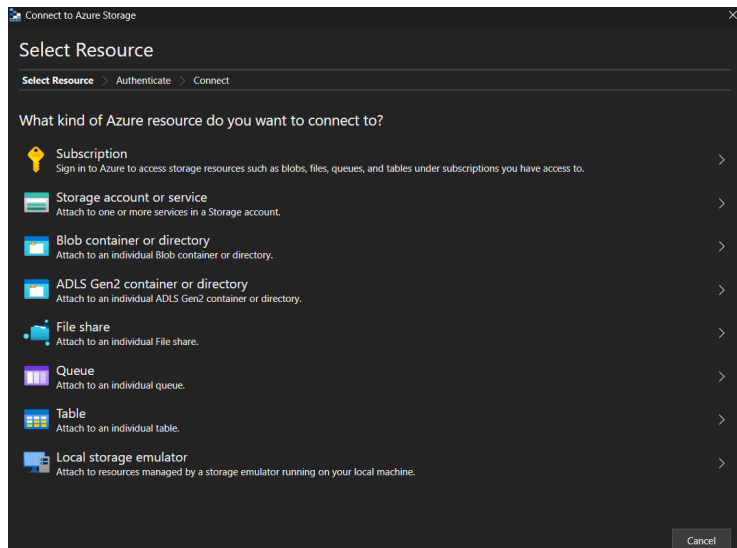
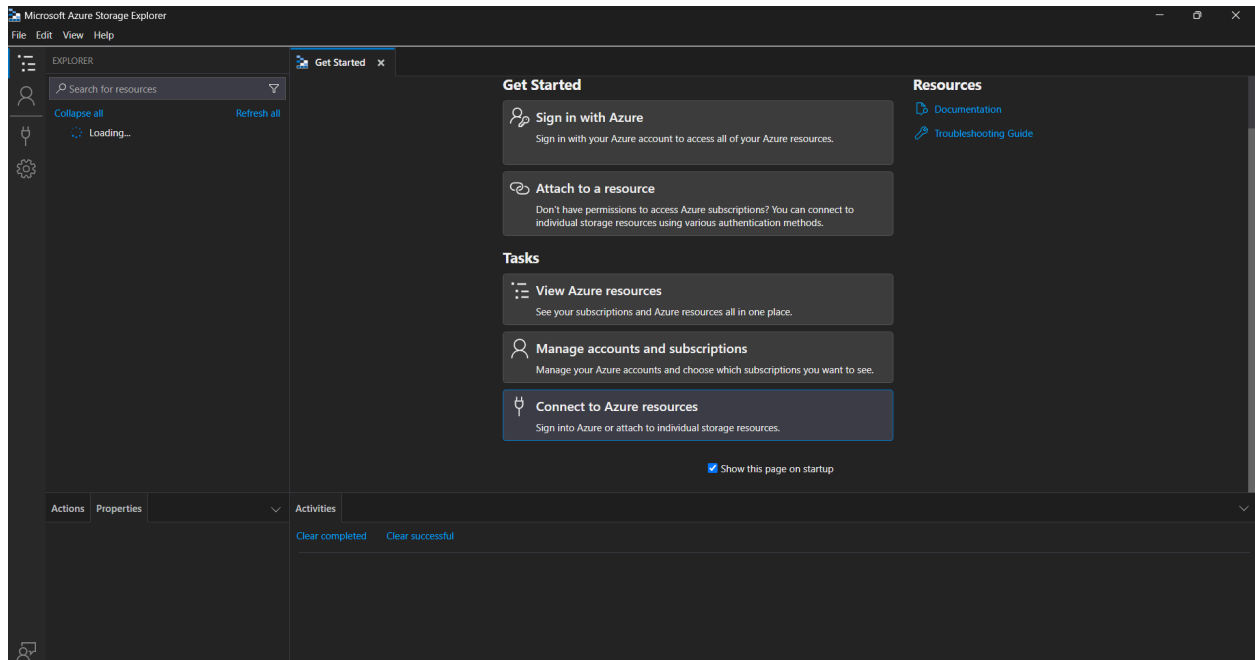
Once uploaded we can see the file has been uploaded



Azure Storage Explorer

Steps to Connect:

- Download and install Azure Storage Explorer.
- Click “Connect to Azure Resources.”
- Choose “Blob container or directory.”
- For the connection method, select “Shared Access Signature (SAS) URL.”



The screenshot shows a dark-themed window titled "Connect to Azure Storage" with a close button in the top right corner. The main heading is "Select Connection Method". Below it is a breadcrumb trail: "Select Resource > **Select Connection Method** > Enter Connection Info > Summary". The question "How will you connect to the blob container?" is followed by three radio button options: "Sign in using OAuth", "Shared access signature URL (SAS)" (which is selected), and "Anonymously (my blob container allows public access)". At the bottom right, there are three buttons: "Back", "Next", and "Cancel".

Connect to Azure Storage

Select Connection Method

Select Resource > **Select Connection Method** > Enter Connection Info > Summary

How will you connect to the blob container?

- ☐ Sign in using OAuth
- ☒ Shared access signature URL (SAS)
- ☐ Anonymously (my blob container allows public access)

Back Next Cancel

Generating SAS Token:

- Go to the Azure Portal > Storage Account > Container.
- From the left panel, click "Shared Access Tokens."
- Under Permissions, select all required permissions.
- Click "Generate SAS token and URL."

Microsoft Azure

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TECHADEMY LEARNING SOLUTIONS

Home > Storage accounts > hexadastore01 | Containers > filehexa

filehexa | Shared access tokens

Container

Search

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Access Control (IAM)

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Shared access tokens

Manage ACL

Access policy

Properties

Metadata

A shared access signature (SAS) is a URI that grants restricted access to an Azure Storage container. Use it when you want to grant access to storage account resources for a specific time range without sharing your storage account key. [Learn more about creating an account SAS](#)

Signing method
☒ Account key ☐ User delegation key

Signing key
Key 1

Stored access policy
None

Permissions *
Read

Start and expiry date/time
Start
08/07/2025 3:23:34 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Expiry
08/07/2025 11:38:34 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses
for example, 168.1.5.65 or 168.1.5.65-168.1....

Allowed protocols
☒ HTTPS only ☐ HTTPS and HTTP

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Home > Storage accounts > hexadastore01 | Containers > filehexa

filehexa | Shared access tokens

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Signing method
☒ Account key ☐ User delegation key

Signing key
Key 1

Stored access policy
None

Permissions *
10 selected
☒ Read
☒ Add
☒ Create
☒ Write
☒ Delete
☒ List
☒ Move
☒ Execute
☒ Ownership

Start and expiry date/time
Start
08/07/2025 3:23:34 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Expiry
08/07/2025 11:38:34 PM
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses
for example, 168.1.5.65 or 168.1.5.65-168.1....

Allowed protocols
☒ HTTPS only ☐ HTTPS and HTTP

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Home > Storage accounts > hexadatastore01 | Containers > filehexa

filehexa | Shared access tokens

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Signing key

Key 1

Stored access policy

None

Permissions

10 selected

Start and expiry date/time

Start

08/07/2025 3:23:34 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Expiry

08/07/2025 11:38:34 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses

for example, 168.1.5.65 or 168.1.5.65-168.1...

Allowed protocols

☒ HTTPS only ☐ HTTPS and HTTP

Generate SAS token and URL

Add or remove favorites by pressing Ctrl+Shift+F

Final Steps in Storage Explorer:

Copy the generated Blob SAS URL.

In Azure Storage Explorer:

1. Paste the URL.
2. Add a display name (e.g., hexa).
3. Click Next → Connect.

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Search resources, services, and docs (G+)

Copilot

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TECHADEMY LEARNING SOLUTI...

Home > Storage accounts > hexadatastore01 | Containers > filehexa

filehexa | Shared access tokens

Container

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10 selected

Start and expiry date/time

Start

08/07/2025 3:23:34 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Expiry

08/07/2025 11:38:34 PM

(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Allowed IP addresses

for example, 168.1.5.65 or 168.1.5.65-168.1...

Allowed protocols

☒ HTTPS only ☐ HTTPS and HTTP

Generate SAS token and URL

Blob SAS token

sp=racwdlmeop&st=2025-08-07T09:53:34Z&se=2025-08-07T18:08:34Z&spr=https&sv=2024-11-04&sr=c&sig=mhbK9nAOaz0Vbt%280x3YyAkhmckle2oh0wQ59yM11wg%3D

Blob SAS URL

https://hexadatastore01.blob.core.windows.net/filehexa?sp=racwdlmeop&st=2025-08-07T09:53:34Z&se=2025-08-07T18:08:34Z&spr=https&sv=2024-11-04&sr=c&sig=mhbK9nAOaz0Vbt%280x3YyAkhmckle2oh0wQ59yM11wg%3D

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Connect to Azure Storage

Summary

Select Resource > Select Connection Method > Enter Connection Info > Summary

The following settings will be used to connect to your resource:

Display name:

hexa

Resource name:

filehexa

Blob endpoint:

https://hexadatastore01.blob.core.windows.net

SAS:

sp=racwdlmeop&st=2025-08-07T10:12:27Z&se=2025-08-07T18:27:27Z&spr=https&sv=2024-11-04&sr=c&sig=B5LMDflxO1QE%2FzcG%2B67VUyw0T0mLaDK289rJfhqZvEc%3D

Resource type:

Container

Permissions:

Read, Add, Create, Write, Delete, List, Move, Execute, Ownership, Permissions

!

Make sure you only connect to resources you trust.

Back

Connect

Cancel

Activities

Clear completed

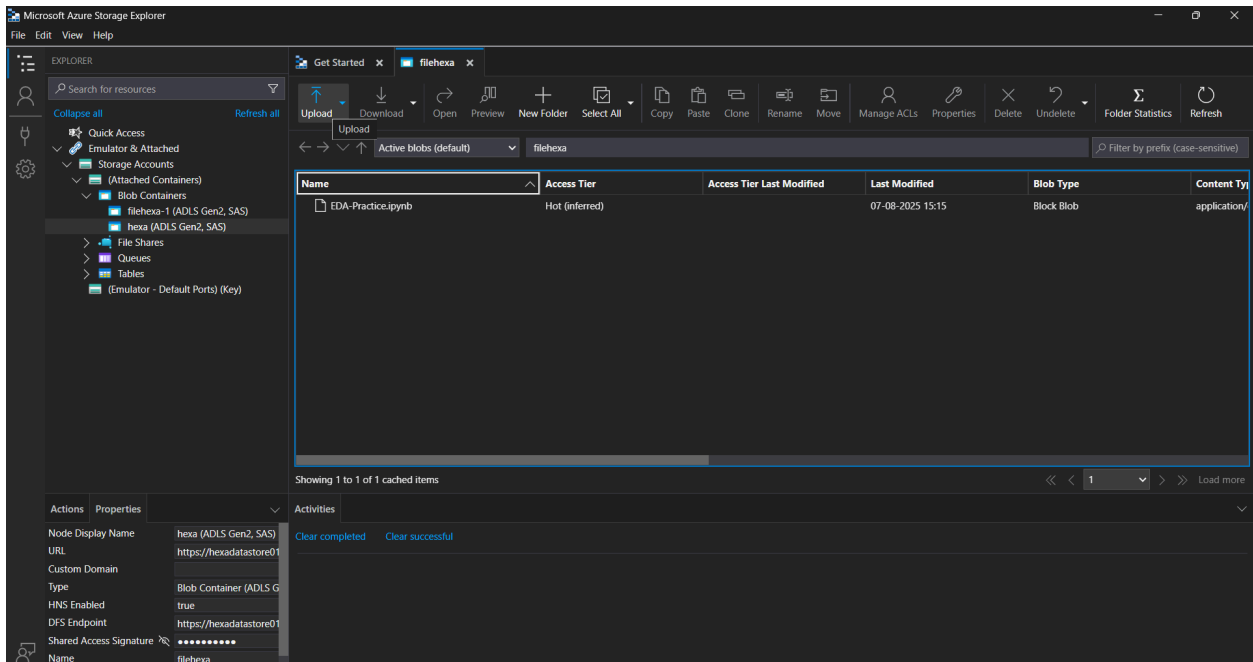
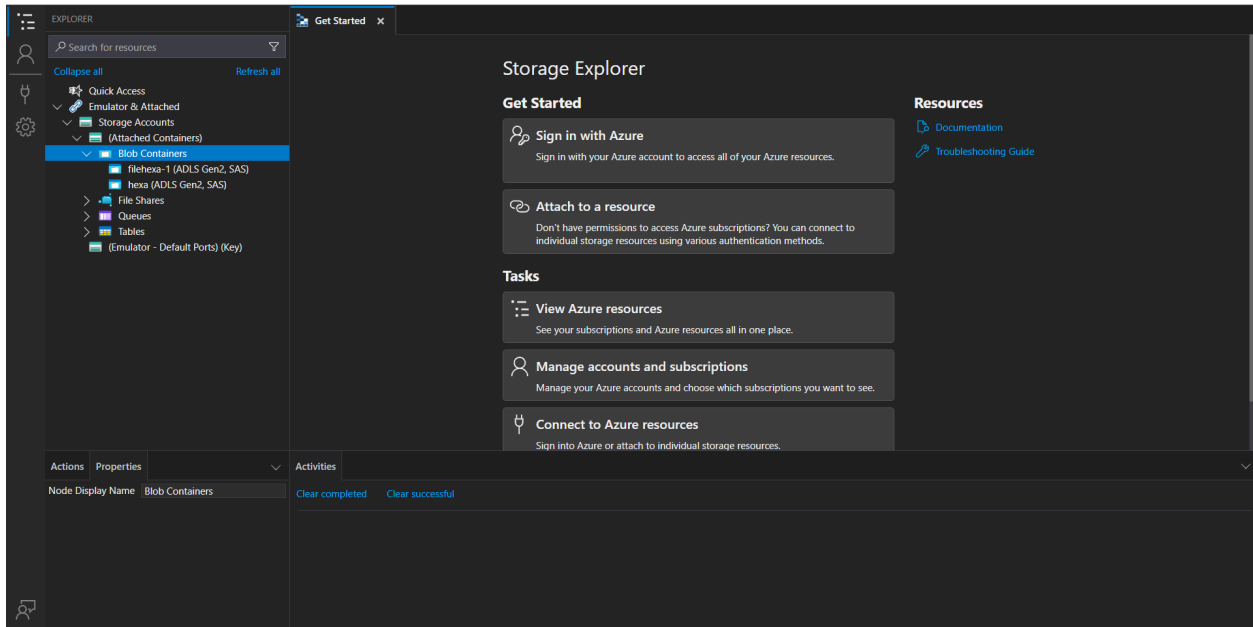
Clear successful

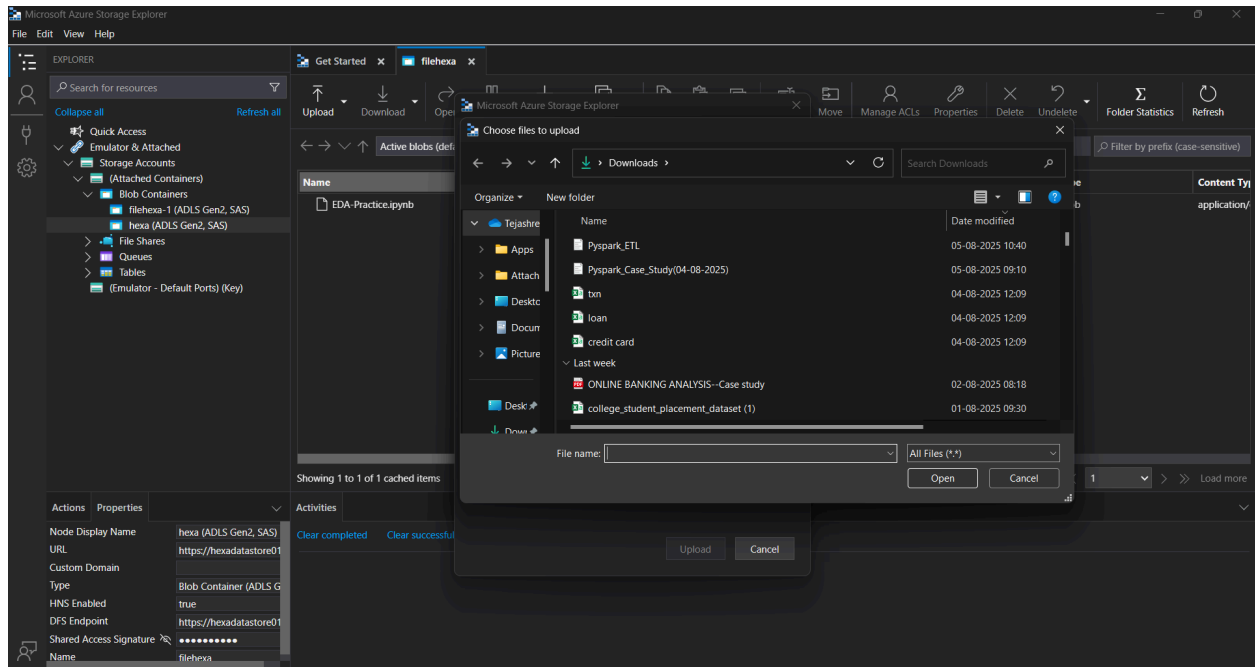
✓

Successfully added new connection.

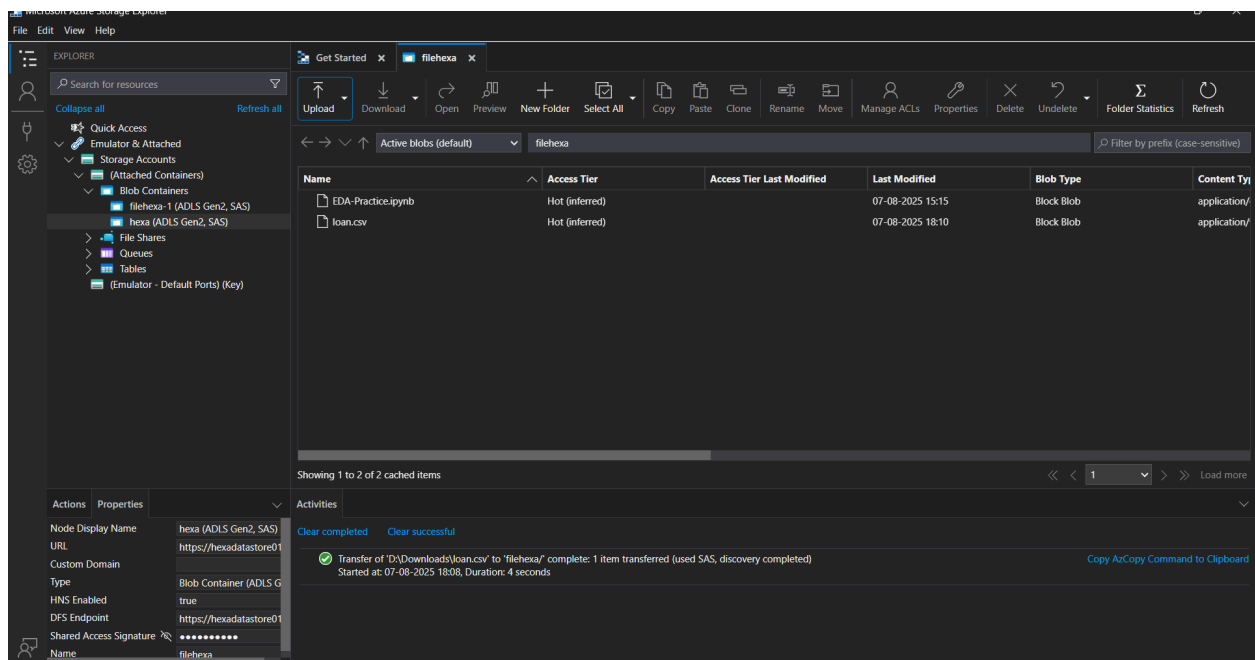
On successful connection:

- Navigate to Blob Containers > container name (e.g., hexa).
- Click Upload, select your files.





You'll see a confirmation under the Activities tab.



Verify the uploaded file in Azure Storage as well.

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TECHADEMY LEARNING SOLUTI...

Home >

filehexa
Container

Search

+ Add Directory Upload Refresh Delete Copy Paste Rename Acquire lease Break lease Edit columns

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Metadata

filehexa

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

Search blobs by prefix (case-sensitive)

Only show active objects

Showing all 2 items

<input type="checkbox"/>	Name	Last modified	Access tier	Blob type	Size	Lease state
<input type="checkbox"/>	EDA-Practice.ipynb	8/7/2025, 3:15:26 PM	Hot (Inferred)	Block blob	54.4 KiB	Available
<input type="checkbox"/>	loan.csv	8/7/2025, 6:10:30 PM	Hot (Inferred)	Block blob	42.94 KiB	Available

Add or remove favorites by pressing Ctrl+Shift+F+F