



Azure Storage Explorer

(Using Storage Account Name and Key)



What are we doing in this lab?

The steps below describe the process of using Azure Storage Explorer, a desktop application, to manage your Azure Storage account using the account name and key. Here's a brief summary of the process and its goals:

1. **Download and Install Azure Storage Explorer:** Start by downloading Azure Storage Explorer from the internet and installing it on your laptop.
2. **Create an Azure Storage Account:** If you don't already have an Azure Storage account, create one via the Azure Portal.
3. **Open Azure Storage Explorer:** Launch Azure Storage Explorer and prepare to connect it to your Azure Storage account.
4. **Connect to Azure Storage Account:**
 - Click on the wire icon to open the connection options.
 - Choose "Storage account or service" and then select "Account name and key" as the connection method.
 - Enter the display name, account name, and account key obtained from the Azure Portal.
5. **Retrieve Account Details:**
 - In the Azure Portal, navigate to your storage account.
 - Go to the "Access Keys" section under the "Security and Networking" menu.
 - Copy the storage account name and key.
6. **Enter Account Details in Storage Explorer:** Paste the display name, account name, and account key into Azure Storage Explorer and complete the connection setup.
7. **Verify Connection:**
 - Confirm that your storage account is successfully connected by checking the activities tab.

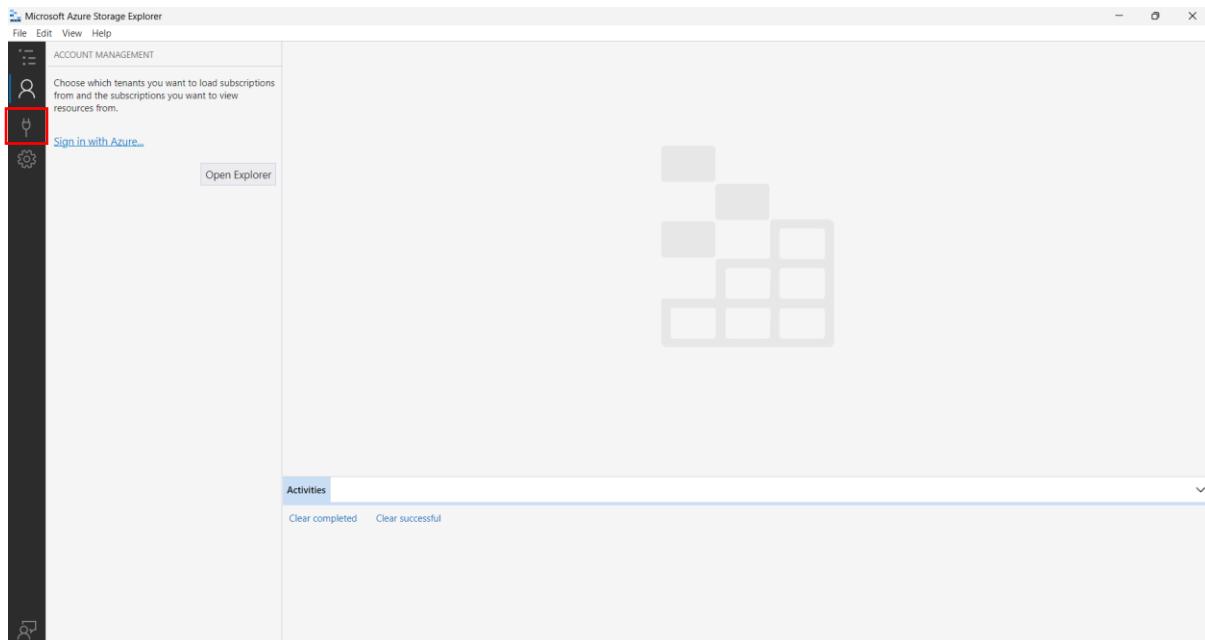
- Explore your storage account and verify that it is displayed with "(key)" indicating the connection method.
8. **Upload Files:** Use Azure Storage Explorer to upload files to your blob containers and verify that the files are visible both in Storage Explorer and in the Azure Portal.

End Goal

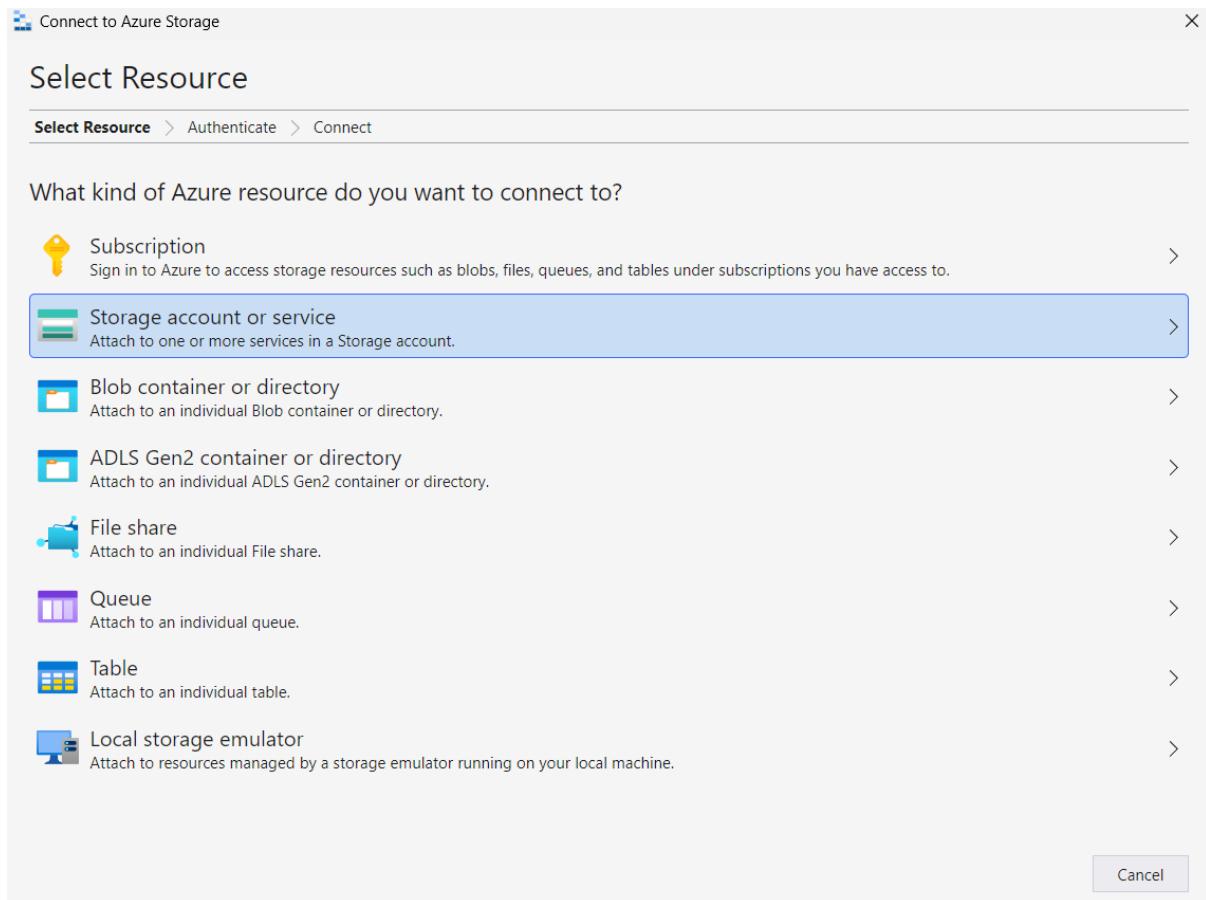
The main objective of this process is to demonstrate how to use Azure Storage Explorer to manage your Azure Storage account by connecting with the account name and key. This involves navigating the tool, connecting to your storage account, and performing basic operations like uploading files. The goal is to ensure you can efficiently manage your Azure Storage resources using Azure Storage Explorer.

To begin with this Lab

1. First you need to download Azure Storage Explorer from the Internet. Then install it on your laptop.
2. After that go to Azure Portal and create a storage account. Now you need to open Azure Storage Explorer.
3. So, the first time you open it you will see that it is empty. Now we are going to log in to it using our storage account name and key.
4. For that you need to go to this wire icon highlighted below in the snapshot.



5. Then you will see multiple options to connect to your Azure Storage Account. But you need to choose Storage account or service as highlighted below.



6. Now you need to choose Account name and key then click on next.

Connect to Azure Storage X

Select Connection Method

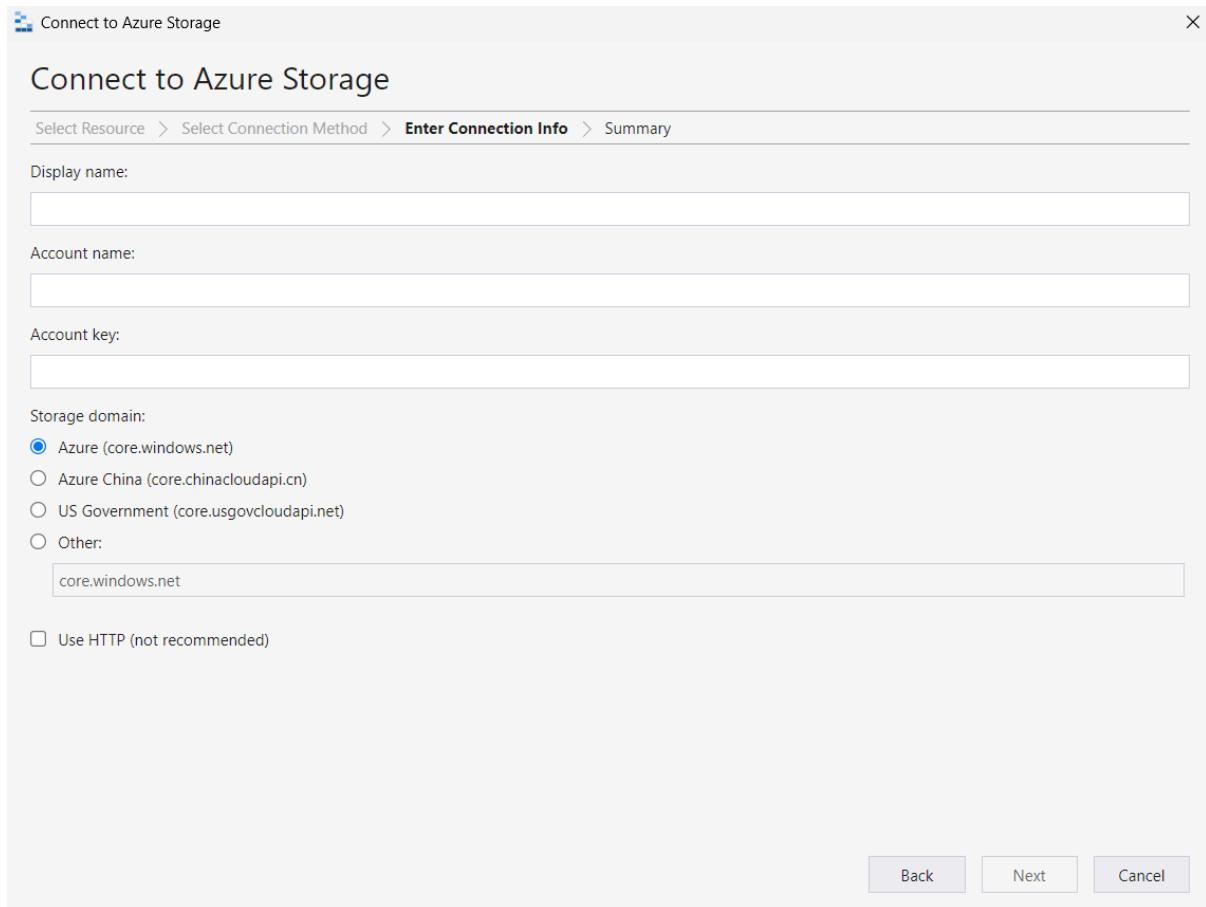
Select Resource > **Select Connection Method** > Enter Connection Info > Summary

How will you connect to the storage account?

Connection string (Key or SAS)
 Shared access signature URL (SAS)
 Account name and key

Back Next Cancel

7. Now you will see that it is asking you to enter the display name, account name, and the account key.
8. So, to get these we need to go to our Azure Portal.



9. On the Azure Portal go to your Storage account. Here from the left pane, you need to expand the Security and Networking section then go to Access Keys.
10. Now here you will see the storage account name and the key. Click on show to view your key and then copy the storage account name and paste it in the Storage Explorer then you need to copy the key and paste it in the Storage Explorer.

The screenshot shows the Azure portal interface with the URL [https://portal.azure.com/#blade/HubsBlade/resourceType/storageAccounts/resourceId/demostorage223311/resourceName/accessKeys](#). The left sidebar shows 'Security + networking' expanded, with 'Access keys' selected. The main content area displays the storage account name 'demostorage223311' and two access keys, 'key1' and 'key2'. Key 'key1' is currently selected, showing its value as a long hex string and a 'Hide' button. Below it is a 'Connection string' input field with a 'Show' button.

11. Below you can see that we have pasted the display name, account name, and account key.
12. For the Storage domain keep it to default as shown below. Then click on next.

Connect to Azure Storage

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

Display name:
demostorage223311

Account name:
demostorage223311

Account key:
JPFF6zMMi3leBw2xlOlkABa9nThWqNoRSJPu9WJ4qxnOnoQaTGI45DyGnivnahsTHbvRHyyjx860+AStanHf1Q==

Storage domain:

Azure (core.windows.net)
 Azure China (core.chinacloudapi.cn)
 US Government (core.usgovcloudapi.net)
 Other:
core.windows.net

Use HTTP (not recommended)

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13. Now you will see that it is showing you the summary before you click on connect.
After that just click on connect.

Connect to Azure Storage X

Summary

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

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

Display name:	demostorage223311
Account name:	demostorage223311
Account key:	JPFF6zMMi3leBw2xlOlkABa9nThWqNoRSJPu9WJ4qxOnoQaTGI45DyGnvnahsTHbvRHyyjx860+AStanHf1Q==
Endpoint suffix:	core.windows.net
Default endpoints protocol:	https

Make sure you only connect to resources you trust.

Back Connect Cancel

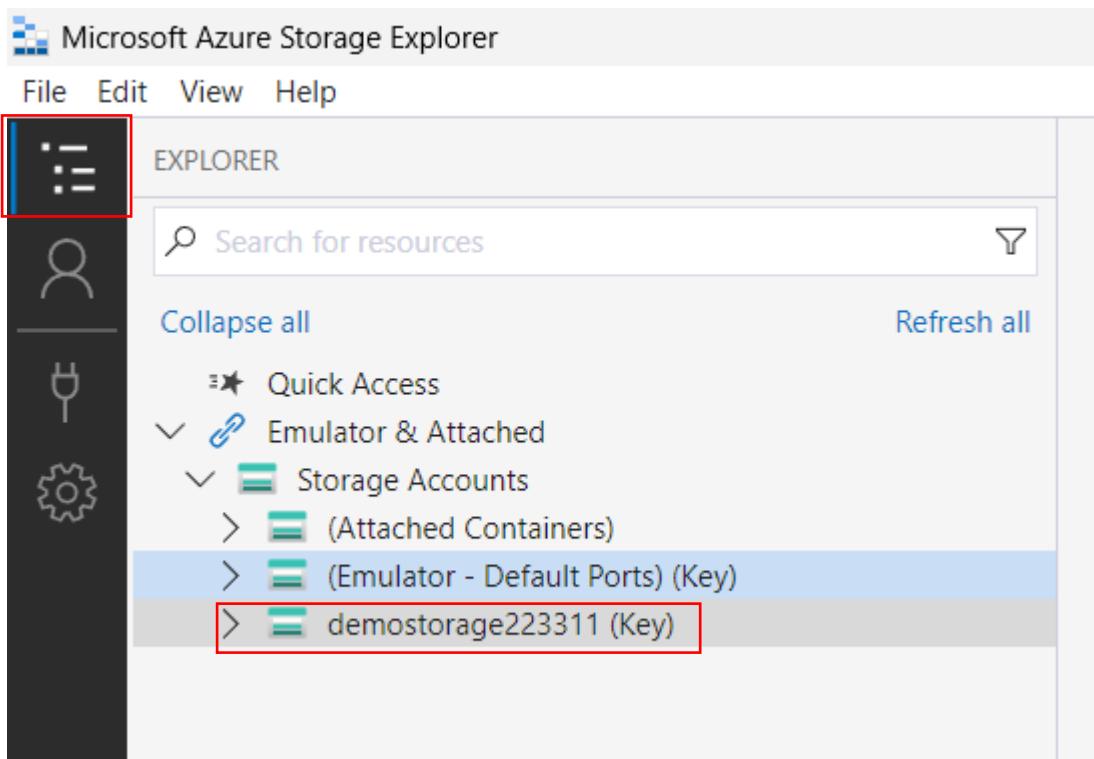
14. Once you have connected your storage account in the activities tab you can see that your account has been connected successfully.

Activities

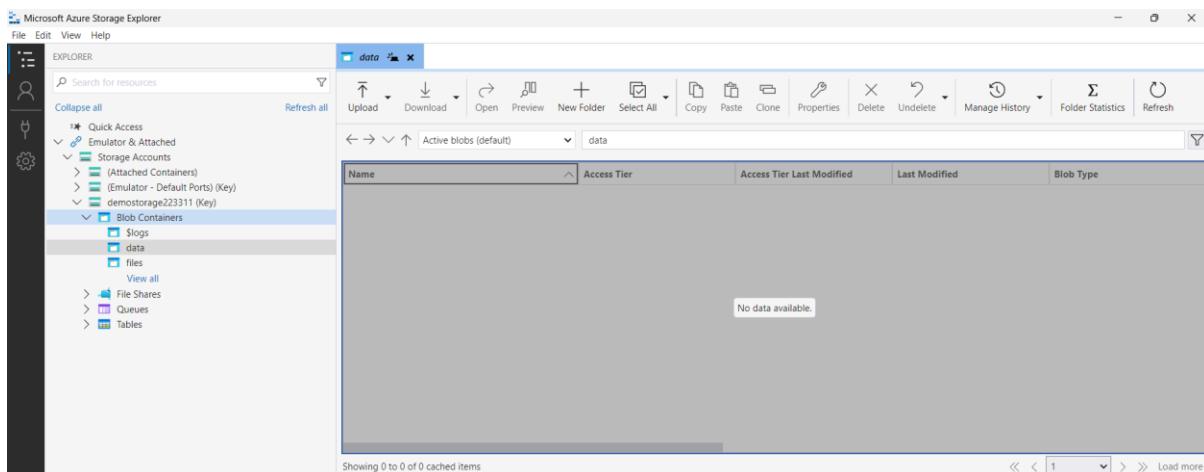
[Clear completed](#) [Clear successful](#)

Successfully added new connection.

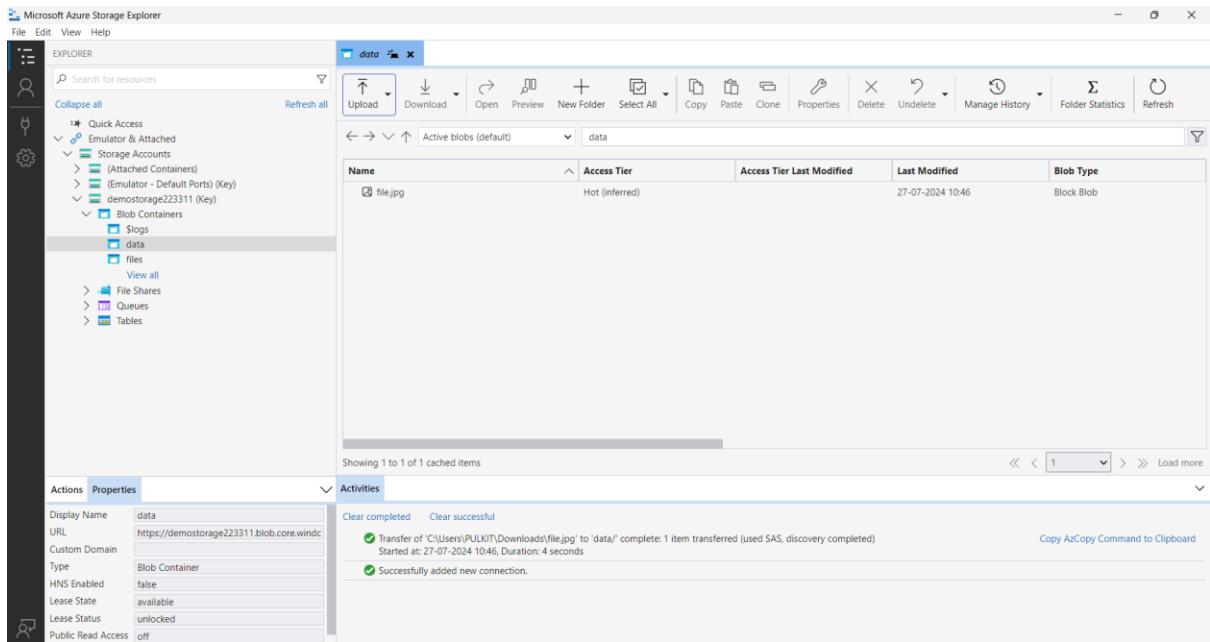
15. Now if you click on the explorer icon then you will see your storage account. Also, you will see that after the name of your storage account in braces key is written which means that our storage account is connected via key.



16. Now if you click on your Storage account and go to blob containers then you will be able to see your containers. Currently our containers are empty but if you want to upload something then you can do so.



17. Here we just uploaded a file into our container using Storage Explorer from our laptop.



18. You can view your storage account in the portal and you will see the same file.

The screenshot shows the Microsoft Azure portal's storage account interface. The top navigation bar includes 'Microsoft Azure', a search bar, and user information ('DemoUser@Cloudfree... CLOUDFREEKS (CLOUDFREEKS45...)'). The main area shows the 'Home > demostorage223311 | Containers >' path. The 'data' container is selected, showing its properties: 'Container', 'Search' input field, and various management actions like 'Upload', 'Delete', and 'View snapshots'. The 'Overview' tab is active, displaying 'Authentication method: Access key (Switch to Microsoft Entra user account)' and 'Location: data'. A table lists blobs: 'Name' (file.jpg), 'Modified' (27/7/2024, 10:46:33 ...), 'Access tier' (Hot (Inferred)), 'Archive status' (None), and 'Blob type' (Block blob). There are also sections for 'Diagnose and solve problems', 'Access Control (IAM)', and 'Settings'.

19. With this we can say that our storage account is connected with storage explorer just by using the storage account name and key.