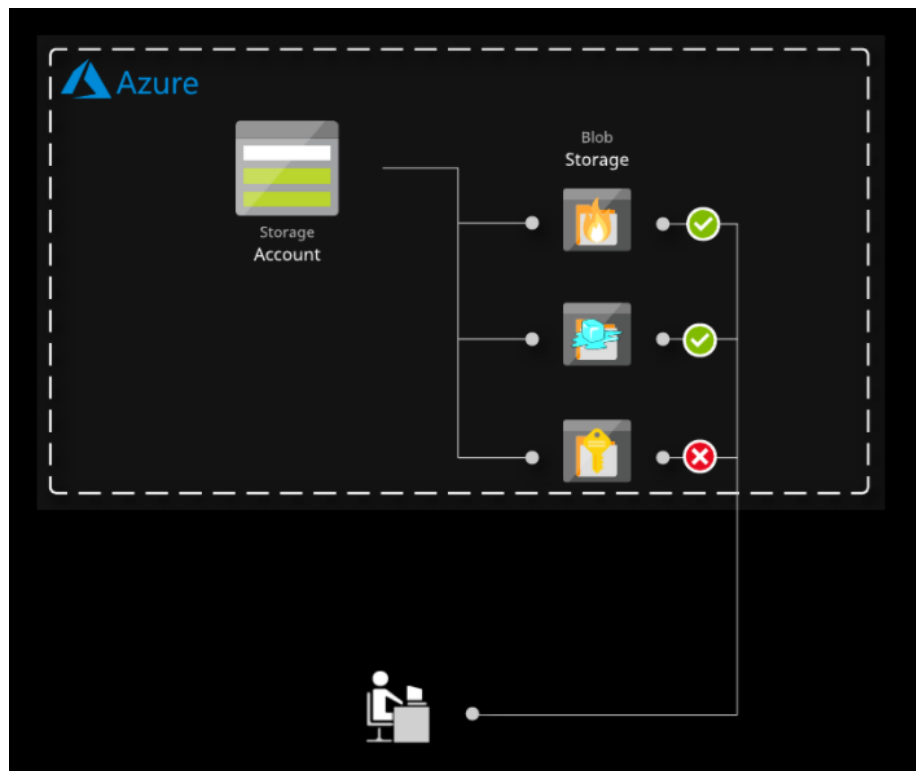


Enable Archiving with Azure Blob Storage

Introduction

In this hands-on lab, we will be creating a blob storage container in a pre-provisioned Azure storage account. We will upload a few sample files to the container and then attempt to download them, showing that we can do so in either a hot or cold tier. We will then change the access tier of the blobs to archive and test to see whether or not we are able to download the blobs.

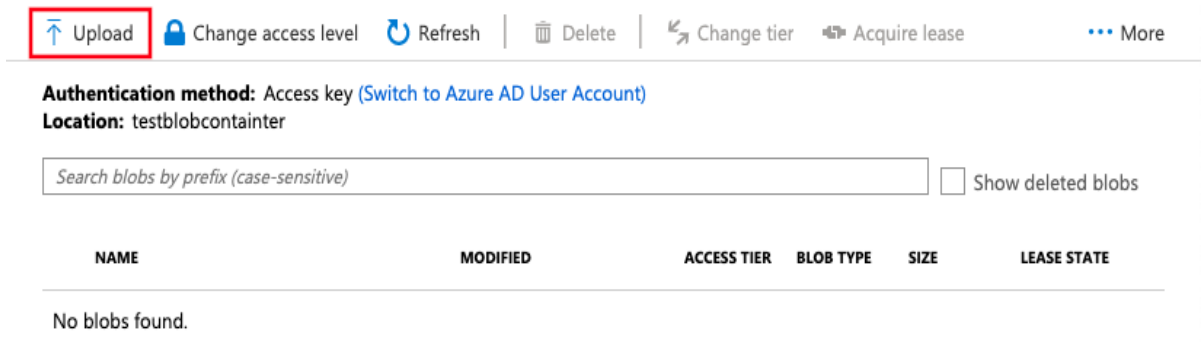


Create a Blob Container in the Azure Storage Account

1. In the Azure Portal, click Storage accounts in the left-hand navigation menu.
2. Click on the storage account provided, named saXXXXXX, where XXXXX is a unique five-character lab identifier.
3. In the storage account blade, click Blobs.
4. Click + Container to create a new blob container.
5. Set the following values:
 - Name: Anything you'd like (e.g., "testblobs")
 - Public access level: Private
6. Click OK.

Upload Sample Files to the Blob Container

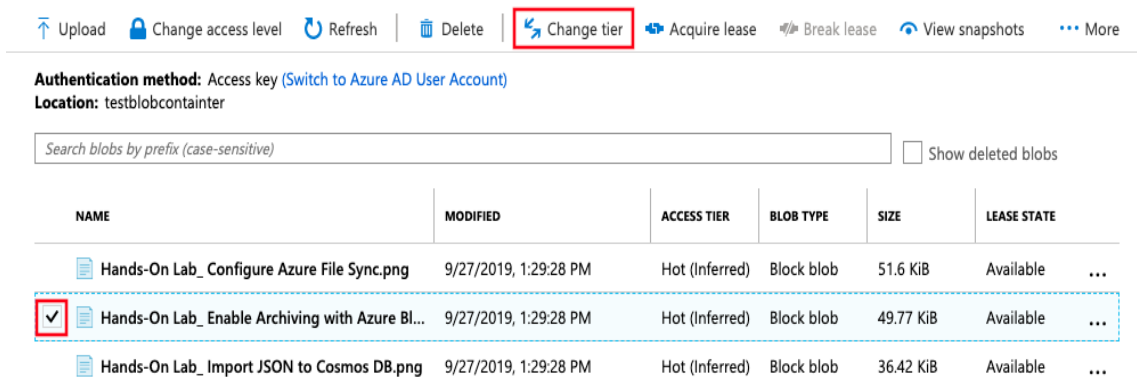
1. Click the newly created blob container.
2. Click Upload.



The screenshot shows the Azure Blob Storage management interface. At the top, there is a toolbar with several icons: Upload (highlighted with a red box), Change access level, Refresh, Delete, Change tier, Acquire lease, and More. Below the toolbar, the authentication method is set to 'Access key' and the location is 'testblobcontainer'. A search bar is present with the placeholder text 'Search blobs by prefix (case-sensitive)'. Below the search bar, there is a table with columns: NAME, MODIFIED, ACCESS TIER, BLOB TYPE, SIZE, and LEASE STATE. The table currently displays 'No blobs found.'

3. In the Upload blob dialog, click the folder icon.
4. Select three files of your choosing from your local workstation to upload to the blob.
(Use Ctrl + click (Command + click for Mac) to select multiple files.)
5. Click Open.
6. Click Upload.
7. Click the red X to exit the Upload blob dialog.

Change the Access Tier of the Uploaded Blobs



The screenshot shows the Azure Blob Storage management interface. The toolbar at the top includes icons for Upload, Change access level, Refresh, Delete, Change tier (highlighted with a red box), Acquire lease, Break lease, View snapshots, and More. Below the toolbar, the authentication method is 'Access key' and the location is 'testblobcontainer'. A search bar is present with the placeholder text 'Search blobs by prefix (case-sensitive)'. Below the search bar, there is a table with columns: NAME, MODIFIED, ACCESS TIER, BLOB TYPE, SIZE, and LEASE STATE. The table contains three rows of data, each representing a blob. The second row is highlighted with a blue dashed border, and a red box highlights the checkbox in the first column of this row.

NAME	MODIFIED	ACCESS TIER	BLOB TYPE	SIZE	LEASE STATE
Hands-On Lab_ Configure Azure File Sync.png	9/27/2019, 1:29:28 PM	Hot (Inferred)	Block blob	51.6 KiB	Available ...
Hands-On Lab_ Enable Archiving with Azure BI...	9/27/2019, 1:29:28 PM	Hot (Inferred)	Block blob	49.77 KiB	Available ...
Hands-On Lab_ Import JSON to Cosmos DB.png	9/27/2019, 1:29:28 PM	Hot (Inferred)	Block blob	36.42 KiB	Available ...

Change Access Tier for Second Blob

1. Leave the first blob alone. It will remain in the hot access tier.
2. Click the checkbox next to the second blob.
3. Click Change tier.
4. In the Change tier dialog, change the access tier to Cool.
5. Click Save.

Change Access Tier for Third Blob

1. Click the checkbox next to the third blob.
2. Click Change tier.
3. In the Change tier dialog, change the access tier to Archive.
4. Click Save.

Test Downloading the Blobs

1. Click the ellipsis (three dots) next to the blob in the hot access tier.
2. Click Download. The file should appear in a new browser window, proving we can download it.
3. Click the ellipsis (three dots) next to the blob in the cool access tier.
4. Click Download. The file should appear in a new browser window, proving we can download it.
5. Click the ellipsis (three dots) next to the blob in the archive access tier.
6. Click Download. A new browser window should appear with an error message, meaning we cannot download it.