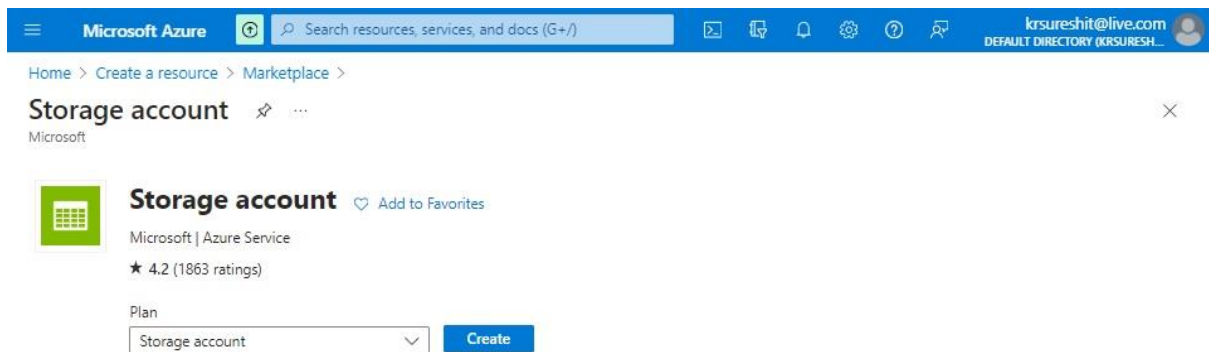


Set up an Azure Storage account with Blob storage and upload a file to the Azure Blob Container and configure access settings.

### Create an Azure Storage Account

- Log in to the Azure Portal:
- Go to Azure Portal and sign in with your Azure account.
- Create a new Storage Account:
- Click on "Create a resource" in the left-hand navigation pane.
- Search for "Storage account" and select it from the results.
- Click on the "Create" button.



- Fill in the required information:
- Subscription: Choose your subscription.
- Resource Group: Create a new one or select an existing one.
- Storage account name: Unique name for your storage account.
- Location: Choose a region.
- Performance: Standard or Premium (choose based on your requirements).
- Replication: Choose the desired replication option.
- Click on "Review + create."
- Review the settings and click on "Create."

The screenshot shows the 'Create a storage account' wizard in the Azure portal, specifically the 'Review' tab. The breadcrumb navigation at the top indicates 'Home > Storage accounts >'. The title bar shows 'Create a storage account' with a close button. Below the title bar are tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review', with 'Review' being the active tab. The 'Basics' section lists the following configuration details:

Property	Value
Subscription	Free Trial
Resource Group	storagerg
Location	centralindia
Storage account name	testyuvi
Deployment model	Resource manager
Performance	Standard
Replication	Locally-redundant storage (LRS)

The 'Advanced' section lists the following configuration details:

Property	Value
Enable hierarchical namespace	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Disabled
Access tier	Hot
Enable SFTP	Disabled
Large file shares	Disabled

The 'Networking' section lists the following configuration details:

Property	Value
Network connectivity	Public endpoint (all networks)

At the bottom of the wizard, there is a 'Create' button, a '< Previous' button, a 'Next >' button, a 'Download a template for automation' link, and a 'Give feedback' link.

➤ Once the Storage Account is created, Go to the resource and not the keys.

**Access Keys** - Note down either Key1 or Key2. These keys will be needed to authenticate requests to your storage account.

Key1

70fCg2PzIUooca0NYqxulfToVZQPNrY0usgrvVPyael3JFcnPcIcqaMcPqCDKpJb/gHCySxfvioI+ASStW45SFw==

Key2

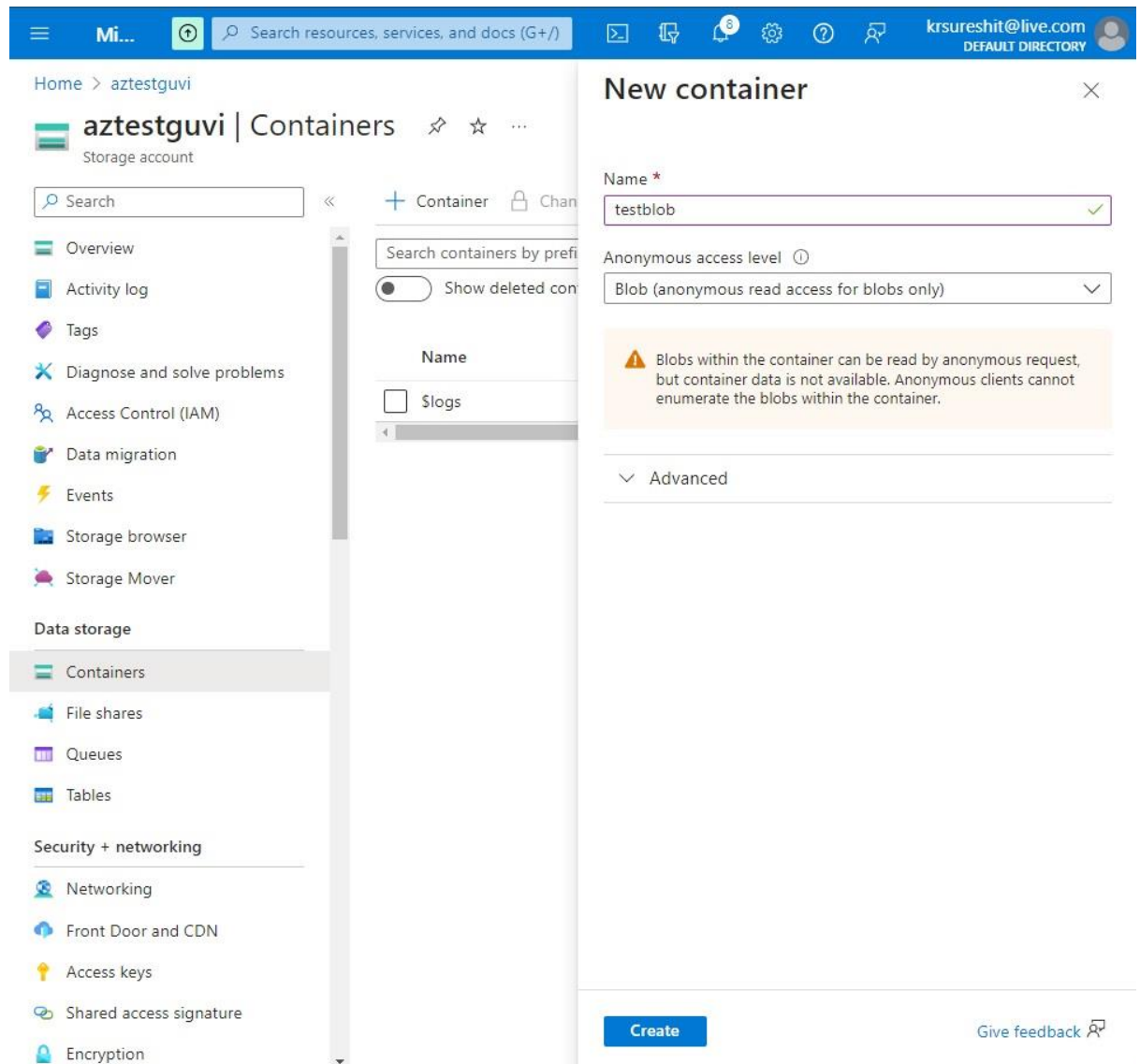
CjeFplT3mTC+6O/e864R8He+aBQXzYA3Gz0zALkNyy+dHtQCU0woZ3MjcYgX5sz7I5a04vyuvn6r+ASSt8MT7Eg==

DefaultEndpointsProtocol=https;AccountName=aztestguvi;AccountKey=70fCg2PzIUooca0NYqxulfToVZQPNrY0usgrvVPyael3JFcnPcIcqaMcPqCDKpJb/gHCySxfvioI+ASStW45SFw==;EndpointSuffix=core.windows.net

DefaultEndpointsProtocol=https;AccountName=aztestguvi;AccountKey=70fCg2PzIUooca0NYqxulfToVZQPNrY0usgrvVPyael3JFcnPcIcqaMcPqCDKpJb/gHCySxfvioI+ASStW45SFw==;EndpointSuffix=core.windows.net

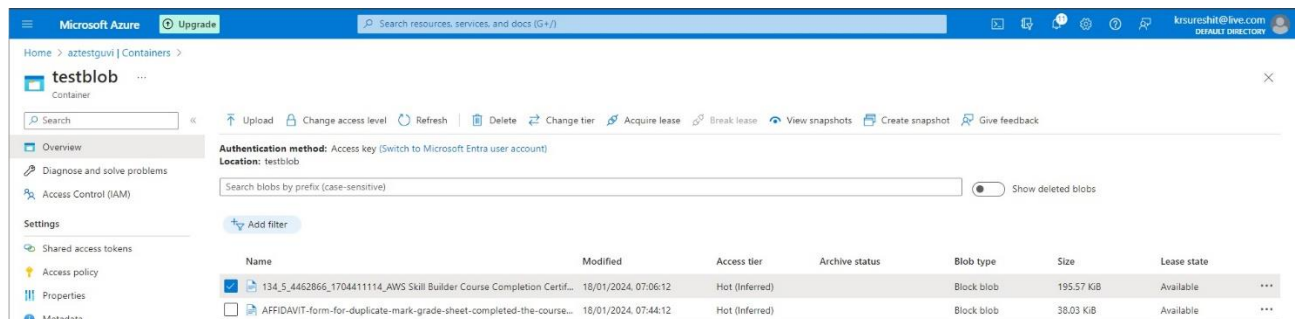
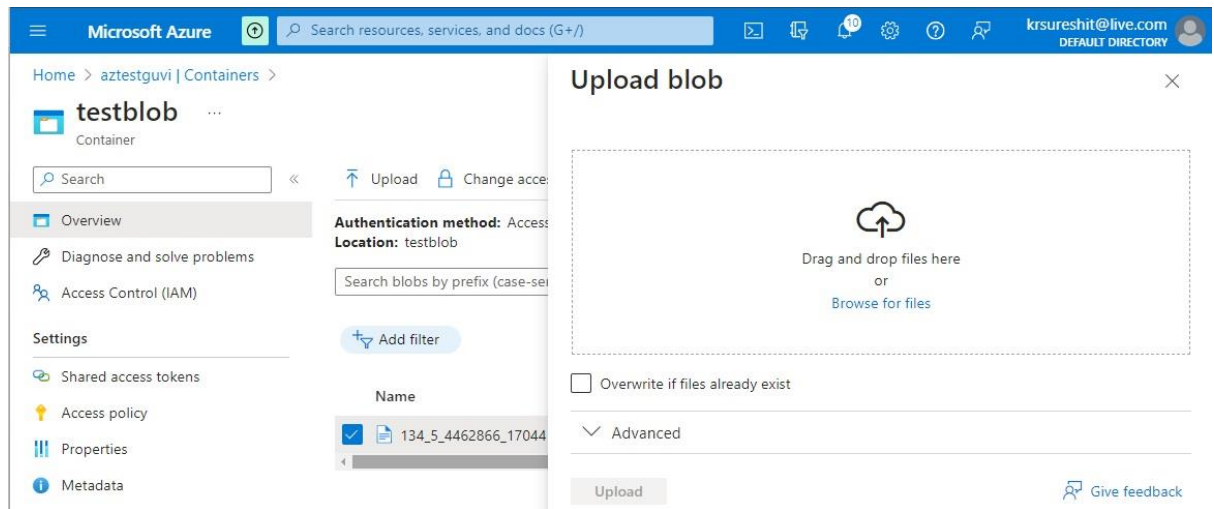
## Create a Blob Container

- Click on the "+ Container" button to create a new container.
- Name: Enter a unique name for the container.
- Public access level: Choose the desired access level (e.g., "Blob" for read access).
- Click on the "Create" button.



## Upload a File to the Blob Container

- Click on the "Upload" button.
- Browse and select the file you want to upload.
- Click on the "Upload" button to upload the file to the container.



## Configure Access Settings

### Shared Access Signatures (SAS):

- In storage account overview pan select the "Shared access signature."
- You will be presented with options to configure the Shared Access Signature.
- Configure SAS settings
- Allowed services: Choose the services for which you want to generate the SAS token (e.g., Blob).
- Resource types: Specify the resource types to which the SAS applies (e.g., Service, Container, Object).
- Allowed permissions: Select the permissions you want to grant (e.g., Read, Write, Delete, List).
- Start and expiry time: Define the time window during which the SAS token is valid.
- Allowed IP addresses: You can restrict access to the SAS token based on IP addresses.
- Allowed protocols: Choose HTTP or HTTPS, depending on your security requirements.
- Generate SAS Token: Click on the "Generate SAS and connection string" button.

We can access this storage using Azure storage explorer:

Microsoft Azure Storage Explorer

File Edit View Help

EXPLORER

/Emulator & Attached/Storage Accounts/(Attached Containers)/

Collapse all

Emulator & Attached

Storage Accounts

(Attached Containers)

Blob Containers

aztestguvi-1 (Key)

Blob Containers

\$logs

testblob

View all

File Shares

Queues

Tables

Refresh all

testblob

Get Started

Settings

Upload

Download

Open

Preview

New Folder

Select All

Copy

Paste

Clone

Properties

Delete

Undo

Manage History

Folder Statistics

Refresh

Active blobs (default)

testblob

Name	Access Tier	Access Tier La...	Last Modified	Blob Type	Content Type	Size	Status	Rem
134_5_4462866_1704411114_AWS Skill Builder Course Completion Certificate.pdf	Hot (inferred)		18-01-2024 07:06	Block Blob	application/pdf	195.57 KB	Active	
AFFIDAVIT-form-for-duplicate-mark-grade-sheet	Hot (inferred)		18-01-2024 07:44	Block Blob	application/pdf	38.03 KiB	Active	

Showing 1 to 2 of 2 cached items (1 item selected)

Actions

Properties

URL

Custom Domain

Type

HNS Enabled

Lease State

Lease Status

Public Read Access

Last Modified

https://aztestguvi.blob.core.windows.net/testblob

Blob Container

false

available

unlocked

blob

18-Jan-2024 07:03:42

Activities

Clear completed

Clear successful

Transfer of 'testblob/134\_5\_4462866\_1704411114\_AWS Skill Builder Course Completion Certificate.pdf' to 'C:\Users\admin\AppData\Local\Temp\17055452208160' complete: 1 item transferred (used SAS, discovery completed)

Started at: 18-01-2024 08:03, Duration: 5 seconds

Successfully added new connection.

Added Azure account 'ksuresht@live.com'