

[Previous](#)

Unit 5 of 9 ▾

[Next](#)

✓ 100 XP



# Exercise - Create a storage blob

10 minutes

This module requires a sandbox to complete. A **sandbox** gives you access to free resources. Your personal subscription will not be charged. The sandbox may only be used to complete training on Microsoft Learn. Use for any other reason is prohibited, and may result in permanent loss of access to the sandbox.

Microsoft provides this lab experience and related content for educational purposes. All presented information is owned by Microsoft and intended solely for learning about the covered products and services in this Microsoft Learn module.

[Sign in to activate sandbox](#)

## Create a storage account

In this task, we will create a new storage account.

1. Sign in to the Azure portal at <https://portal.azure.com>
2. Select Create a resource.
3. Under Categories, select Storage.
4. Under Storage Account, select Create.
5. On the Basics tab of the Create storage account blade, fill in the following information. Leave the defaults for everything else.

Setting	Value
Subscription	Concierge Subscription
Resource group	[sandbox resource group name]

Setting	Value
Storage account name	create a unique storage account name
Location	default
Performance	Standard
Redundancy	Locally redundant storage (LRS)

6. Select Review + Create to review your storage account settings and allow Azure to validate the configuration.
7. Once validated, select Create. Wait for the notification that the account was successfully created.
8. Select Go to resource.

## Work with blob storage

In this section, you'll create a Blob container and upload a picture

1. Under Data storage, select Containers.

The screenshot shows the Azure Storage account 'tempstorage1262' with the 'Containers' blade open. On the left, there's a sidebar with links like Overview, Activity log, Tags, etc. Under 'Data storage', 'Containers' is selected and highlighted with a red box and the number '1'. At the top right, there's a '+ Container' button with a red box and the number '2' around it. Below it is a search bar and a table showing one container named '\$logs'.

2. Select + Container and complete the information.

Setting	Value
Name	Enter a name for the container
Public access level	Private (no anonymous access)

3. Select Create.

#### ⓘ Note

Step 4 will need an image. If you want to upload an image you already have on your computer, continue to Step 4. Otherwise, open a new browser window and search Bing for an image of a flower. Save the image to your computer.

4. Back in the Azure portal select the container you created, then select Upload.

5. Browse for the image file you want to upload. Select it and then select upload.

### ⓘ Note

You can upload as many blobs as you like in this way. New blobs will be listed within the container.

6. Select the Blob (file) you just uploaded. You should be on the properties tab.

7. Copy the URL from the URL field and paste it into a new tab.

You should receive an error message similar to the following.

```
<Error>
  <Code>ResourceNotFound</Code>
  <Message>The specified resource does not exist. RequestId:4a4bd3d9-101e-005a-1a3e-84bd42000000 Time:2022-06-20T00:41:31.2482656Z</Message>
</Error>
```

## Change the access level of your blob

1. Go back to the Azure portal

2. Select Change access level

3. Set the Public access level to Blob (anonymous read access for blobs only)

The screenshot shows the Microsoft Azure Storage Explorer interface. At the top, there's a breadcrumb navigation: Home > tempstorage1262\_1655684547562 > tempstorage1262 > temp >. Below the navigation is a search bar labeled "Search (Ctrl+/" and an "Upload" button. To the right of the upload button is a red box containing the "Change access level" button. A dropdown menu titled "Change access level" is open, showing three options: "Private (no anonymous access)" (selected), "Blob (anonymous read access for blobs only)" (highlighted with a red box), and "Container (anonymous read access for containers)". On the left side, there's a sidebar with various settings like Overview, Diagnose and solve problems, Access Control (IAM), etc.

4. Select OK

5. Refresh the tab where you attempted to access the file earlier.

Congratulations - you've completed this exercise. You created a storage account, added a container to the storage account, and then uploaded blobs (files) to your container. Then you changed the access level so you could access your file from the internet.

## Clean up

The sandbox automatically cleans up your resources when you're finished with this module.

When you're working in your own subscription, it's a good idea at the end of a project to identify whether you still need the resources you created. Resources that you leave running can cost you money. You can delete resources individually or delete the resource group to delete the entire set of resources.

### Azure Cloud Shell

This module requires a sandbox to complete.

A [sandbox](#) gives you access to Azure

resources. Your Azure subscription will not be charged. The sandbox may only be used to complete training on Microsoft Learn. Use for any other reason is prohibited, and may result in permanent loss of access to the sandbox.

Microsoft provides this lab experience and related content for educational purposes.

All presented information is owned by Microsoft and intended solely for learning about the covered products and services in this Microsoft Learn module.