# 05 - Create blob storage (5 min)

In this walkthrough, we will create a storage account, then work with blob storage files.

# Task 1: 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. From the **All services** blade, search for and select **Storage accounts**, and then click **+ Add, + Create, + New**.

3. On the **Basics** tab of the **Create storage account** blade, fill in the following information (replace **xxxx** in the name of the storage account with letters and digits such that the name is globally unique). Leave the defaults for everything else.

| Setting | Value |
|---|---|
| Subscription | **Leave provided default** |
| Resource group | **Create new resource group** |
| Storage account name | **storageaccountxxxxx** |
| Location | **(US) East US** |
| Performance | **Standard** |
| Redundancy | **Locally redundant storage (LRS)** |

**Note** - Remember to change the **xxxxx** so that it makes a unique **Storage account name**

4. Click **Review + Create** to review your storage account settings and allow Azure to validate the configuration.

5. Once validated, click **Create**. Wait for the notification that the account was successfully created.

6. From the Home page, search for and select **Storage accounts** and ensure your new storage account is listed.



# Task 2: Work with blob storage

In this task, we will create a Blob container and upload a blob file.

1. Click the name of the new storage account, scroll to the **Data storage** section in the left menu, and then click **Containers**.

2. Click **+ Container** and complete the information. Use the Information icons to learn more. When done click **Create**.

| Setting | Value |
|---|---|

| Setting | Value |
| --- | --- |
| Name | **container1** |
| Public access level | **Private (no anonymous access)** |



3. Open a new browser window and search **Bing** for an image of a flower. Right click on the image and save it to your VM.

4. Back in the Portal, click on **container1** , and then select **Upload**.

5. Browse for the image file you just saved on your local computer. Select it and then select upload.

6. Click the **Advanced** arrow, leave the default values but review the available options, and then click **Upload**.

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

7. Once the file is uploaded, right-click on the file and notice the options including View/edit, Download, Properties, and Delete.

8. If you have time review the options for Files, Tables, and Queues.

# Task 3: Monitor the storage account

1. Return to the storage account blade and click **Diagnose and solve problems**.

2. Explore some of the most common storage problems. Notice there are multiple troubleshooters here.

3. On the storage account blade, scroll down to the **Monitoring** section and click **Insights**. Notice there is information on Failures, Performance, Availability, and Capacity. Your information will be different.

# Insights

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Time Range: **Last 4 hours** ∨

**Overview**  Failures  Performance  Availability  Capacity

| Availability | Transactions | Success E2E Latency | Success Server Latency |
|---|---|---|---|
| **100** | **28** | **22.32** | **18.26** |
| Average \| Percentage | Count | Average \| Milliseconds | Average \| Milliseconds |

**Transactions by storage type**



| Blob transactions (Sum) storageaccount0909 | File transactions (Sum) storageaccount0909 | Queue transactions (... storageaccount0909 | Table transactions (... storageaccount0909 |
|---|---|---|---|
| **28** | **--** | **--** | **--** |
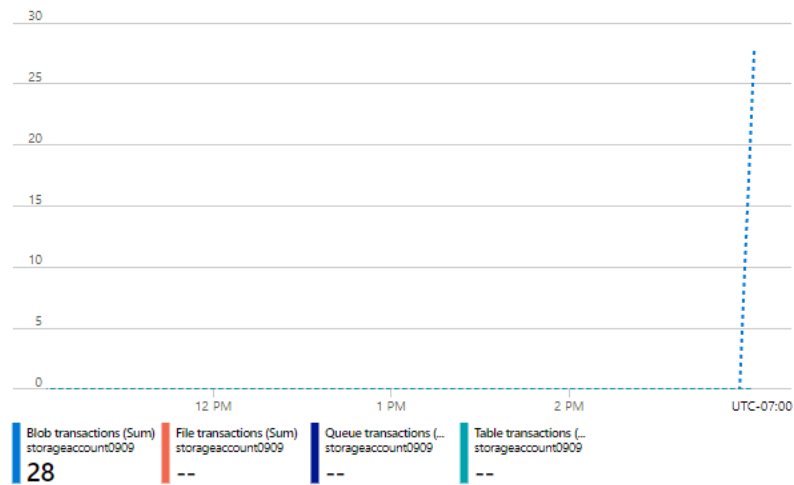
Congratulations! You have created a storage account, then worked with storage blobs.

**Note**: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.