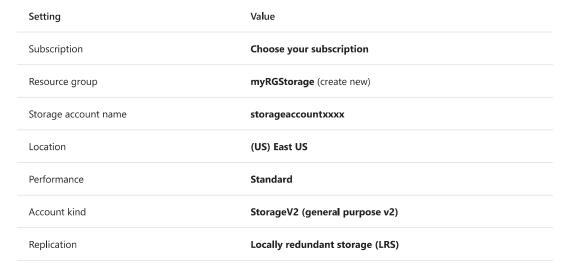# 05 - Create blob storage

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

Task 1: Create a storage account (5 min)
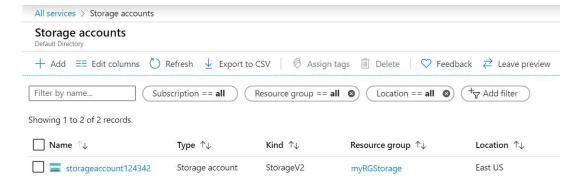
In this task, we will create a new storage account.

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**.

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	**Choose your subscription**
Resource group	**myRGStorage** (create new)
Storage account name	**storageaccountxxxx**
Location	**(US) East US**
Performance	**Standard**
Account kind	**StorageV2 (general purpose v2)**
Replication	**Locally redundant storage (LRS)**

Note - Remember to change the **xxxx** 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 **Blob service** section, and then click **Containers**.

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

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

3. Click the **container1** container, and then click **Upload**.

4. Browse to a file on your local computer.

   Note: You can create an empty `.txt` file or use any existing file. Consider chooosing a file of a small size to minimize the upload time.

5. Click the **Advanced** arrow, leave the default values but review the available options, and then click **Upload**.
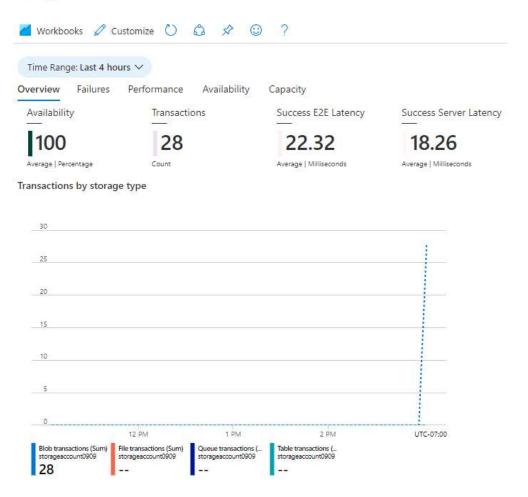
   Note: You can upload as many blobs as you like in this way. New blobs will be listed within the container.

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

7. As you have time, from the storage account blade, review the options for Files, Tables, and Queues.

Task 3: Monitor the storage account

1. If needed, 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 troubleshooter.

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

Workbooks Customize ↻ ☁ 📌 ☺ ?

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 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.