# Exercise - Create an Azure Storage Account by using the portal

5 minutes

Azure Data Lake Storage Gen2 is easy to set up. It requires a **StorageV2 (General Purpose V2)** Azure Storage account with the Hierarchical namespace enabled. Let's walk through an example of setting up a Data Lake Storage account in the Azure portal.

1. Sign in to the Azure portal

2. Select **Create a resource** and in the textbox that states "Search the Marketplace type **Storage account**, and click on **Storage account**.

3. In **Storage account** screen, click **Create**.
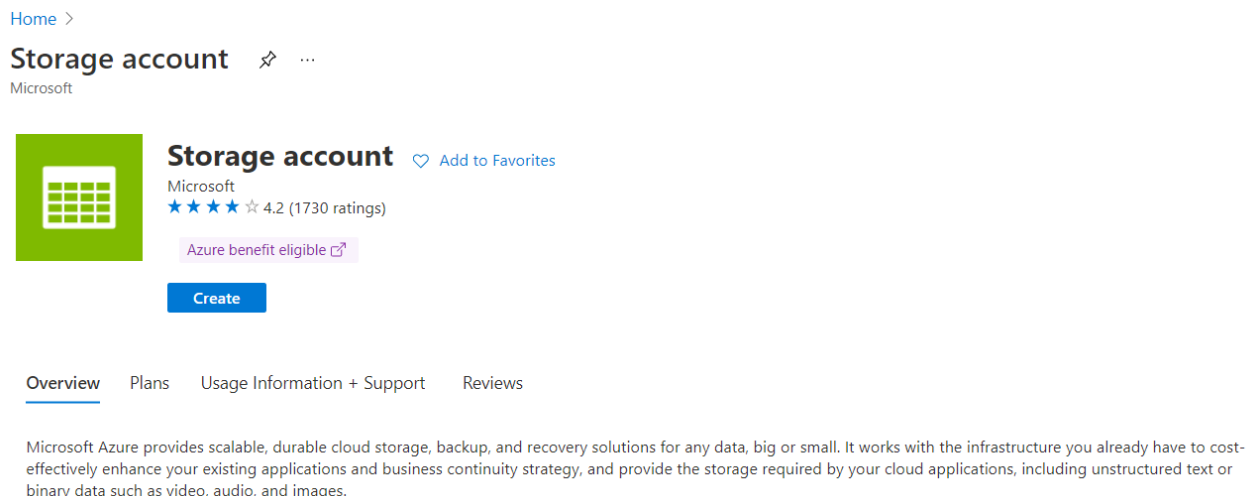
4. Next, in the **Create storage account** window, in the **Basics** tab, under Project details section, ensure that your subscription is selected, and the appropriate resource group. Under the Instance section, define a **storage account name**. Set the **Region** to **Central US**. In the **Performance** radio button list, select **Standard**, and set the Redundancy to **Locally redundant storage (LRS)**.

Create a storage account ...

Basics   Advanced   Networking   Data protection   Tags   Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription *	[ ] ∨
└─ Resource group *	ctodbrg ∨

Create new

Instance details

If you need to create a legacy storage account type, please click here.

Storage account name ⓘ *	ctostorageacc21
Region ⓘ *	(US) Central US ∨
Performance ⓘ *	● **Standard:** Recommended for most scenarios (general-purpose v2 account)
	○ **Premium:** Recommended for scenarios that require low latency.
Redundancy ⓘ *	Locally-redundant storage (LRS) ∨

5. Select the **Advanced** tab. Under the section Data Lake Storage Gen2, click the checkbox next to **Enable hierarchical namespace**, as shown below.

Create a storage account ⋯

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ⓘ Certain options have been disabled by default due to the combination of storage account performance, redundancy, and region.

Security

Configure security settings that impact your storage account.

Enable secure transfer ⓘ ☑

Enable infrastructure encryption ⓘ ☐

ⓘ Sign up is currently required to enable infrastructure encryption on a per-subscription basis. Sign up

Enable blob public access ⓘ ☑

Enable storage account key access ⓘ ☑

Minimum TLS version ⓘ [Version 1.2 ⌄]

Data Lake Storage Gen2

The Data Lake Storage Gen2 hierarchical namespace accelerates big data analytics workloads and enables file-level access control lists (ACLs). Learn more

Enable hierarchical namespace ☑

Blob storage

Enable network file share v3 ⓘ ☐

ⓘ Sign up is currently required to enable NFS v3 on a per-subscription basis. Sign up

Access tier ⓘ ⦿ **Hot:** Frequently accessed data and day-to-day usage scenarios

6. Select the **Review + create** tab, and click **Create**.

This new Azure Storage account is now set up to host data for an Azure Data Lake. After the account has deployed, you will find options related to Azure Data Lake in the Overview page.