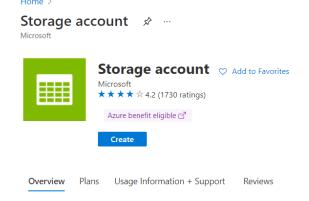
Exercise - Create an Azure Storage Account by using the portal

Note: In this reading you can see the steps involved in creating an Azure Storage Account by using the Azure portal.

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.



Microsoft Azure provides scalable, durable cloud storage, backup, and recovery solutions for any data, big or small. It works with the infrastructure you already have to costeffectively enhance your existing applications and business continuity strategy, and provide the storage required by your cloud applications, including unstructured text or
binary data such as video, audio, and images.

Screenshot of the Azure portal showing the Create a resource, Storage account in highlights.

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)**.



Basics	Advanced	Networking	Data protection	Tags	Review + create			
redundar	nt. Azure Storaç he cost of your	ge includes Azure	Blobs (objects), Azur	e Data La	that is highly available, secure, dura ke Storage Gen2, Azure Files, Azure e options you choose below. Learn n	Queues, and Azure		
Project o	details							
			the new storage acc vith other resources.	ount. Ch	pose a new or existing resource grou	up to organize and		
Subscription *					~			
Resource group *			ctodbrg Create new			~		
Instance	e details							
If you ne	ed to create a l	legacy storage ac	count type, please cli	ck here.				
Storage account name ① *			ctostorageacc21					
Region ① *			(US) Central US	(US) Central US				
Performance ① * Standard: Recommended for most scenarios (general-purpose v2 acc Premium: Recommended for scenarios that require low latency.								

alt="Screenshot of Basics Settings for Creating Storage Account."

Redundancy (i) *

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

Locally-redundant storage (LRS)



Basics	Advanced	Networking	Data protection	Tags	Review + create				
(i) 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 ①									
Enable ir	nfrastructure en	cryption ①							
			Sign up is currently required to enable infrastructure encryption on a per- subscription basis. Sign up						
Enable blob public access (i)			✓						
Enable storage account key access ①									
Minimum TLS version (i)			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 n	etwork file shar	re v3 (i)							
			Sign up is curre	ently requi	uired to enable NFS v3 on a per-subscription basis. Sign up				
Access tier ①		Hot: Frequently accessed data and day-to-day usage scenarios							

Screenshot of Advanced Settings for Creating Storage Account.

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.