Exercise - Create an Azure Storage account for Azure Data Lake Storage

10 minutes

Before you can upload or transfer data into a data lake, you need to create one. Using the Azure portal, you can provision an Azure Data Lake Storage Gen2 store within minutes.

① Note

If you don't have an Azure account or prefer not to do this exercise in your account, just read through the exercise to understand how to create a Data Lake Storage Gen2 store.

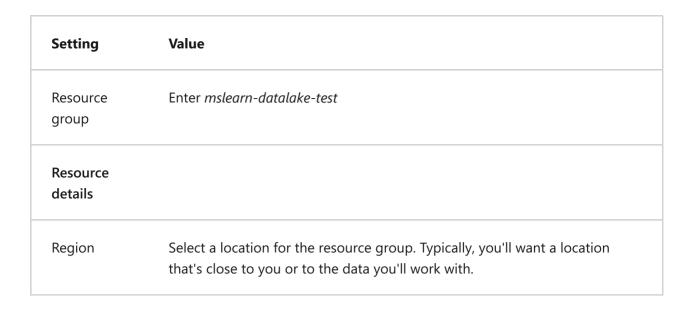
Create a resource group

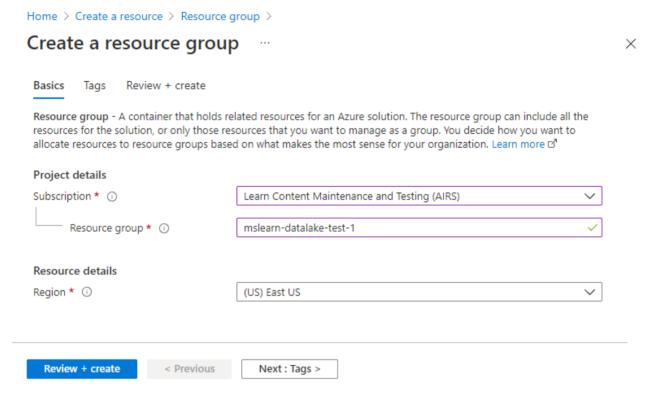
Create a new resource group to hold the data lake storage. You'll use the resource group to administer related services and applications together. A resource group will also make resource cleanup easier when you finish this module.

To create a resource group in the Azure portal, follow these steps:

- 1. Sign in to the Azure portal
- 2. On the Home page, under Azure services, select Create a resource.
- 3. In the search box, enter **Resource group** and press **Enter**. The **Resource group** pane appears.
- 4. Select **Create** to add a new resource group.
- 5. On the **Basics** tab, enter the following values for each setting.

Setting	Value
Project details	
Subscription	Subscription you choose to work in.





- 6. Select Review + create.
- 7. After validation passes, select **Create**.
- 8. After the resource group is created, select **Go to resource group**. Optionally, from the *Notifications* icon in the portal menu (title bar), select **Pin to dashboard** to make it easy to find later.

Create a Data Lake Storage Gen2 account

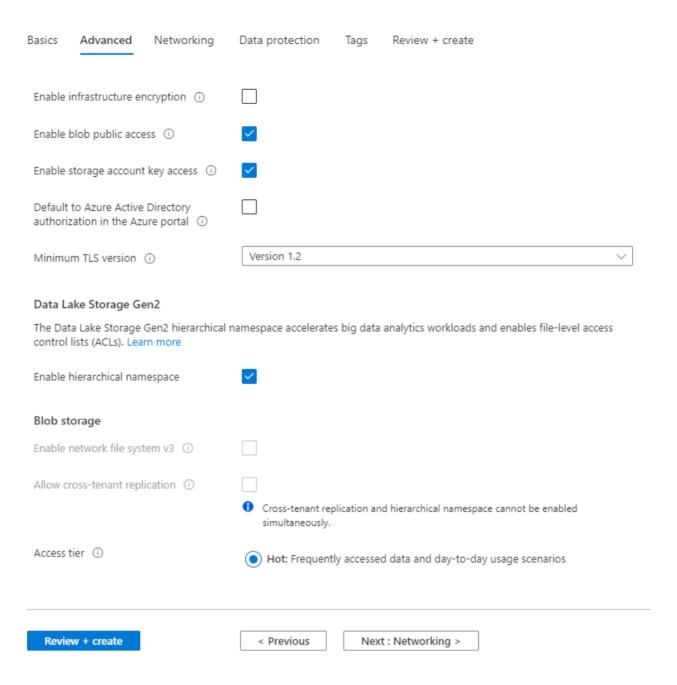
You'll create a Data Lake Storage Gen2 account the same way you create an Azure Blob store, but with one different setting.

- 1. On the **Resource Group** page, select **Create resources**. The **Create a resource** page appears.
- 2. In the resource menu, select **Storage**, and then search for **Storage account**, and press [Enter]. The **Storage account** pane appears.
- 3. Select Create. The Create a storage account pane appears.
- 4. On the **Basics** tab, enter the following values for each setting.

Setting	Value
Project details	
Subscription	Same subscription as the <i>Data Lake Storage Gen2 account</i> you just created.
Resource group	From the dropdown list, select mslearn-datalake-test
Instance details	
Storage account name	Enter a unique name for your storage account. The name must be unique across all of Azure. You might have to try a few variations to find a unique name. Try using the prefix <i>dlakedata</i> with some numbers. A green check mark indicates you've entered a valid name.
Region	From the dropdown list, select (US) Central US.

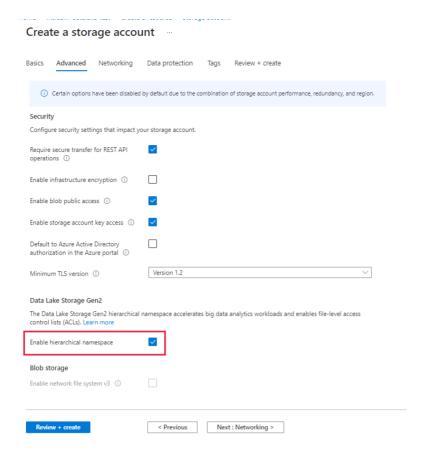
5. Accept the defaults for the reminder of the settings.

Create a storage account



- 6. Select Next: Advanced.
- 7. On the **Advanced** tab, select the following value for the setting. Accept default values for all other settings.

Setting	Value
Data Lake Storage Gen2	
Enable hierarchical namespace	check (Enabled)



- 8. Select **Review + create** to create the storage account.
- 9. After the creation details pass validation, select Create to start the deployment.

After you receive a message that your deployment is complete, select **Go to resource** to confirm the storage account deployed correctly.