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

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.

Note

You are not required to complete the processes, tasks, activities, or steps presented in this example. Your system set-up may differ from the system set-up in the demonstration in this reading. The various samples provided are for illustrative purposes only and it's likely that if you try this out you will encounter issues in your system.

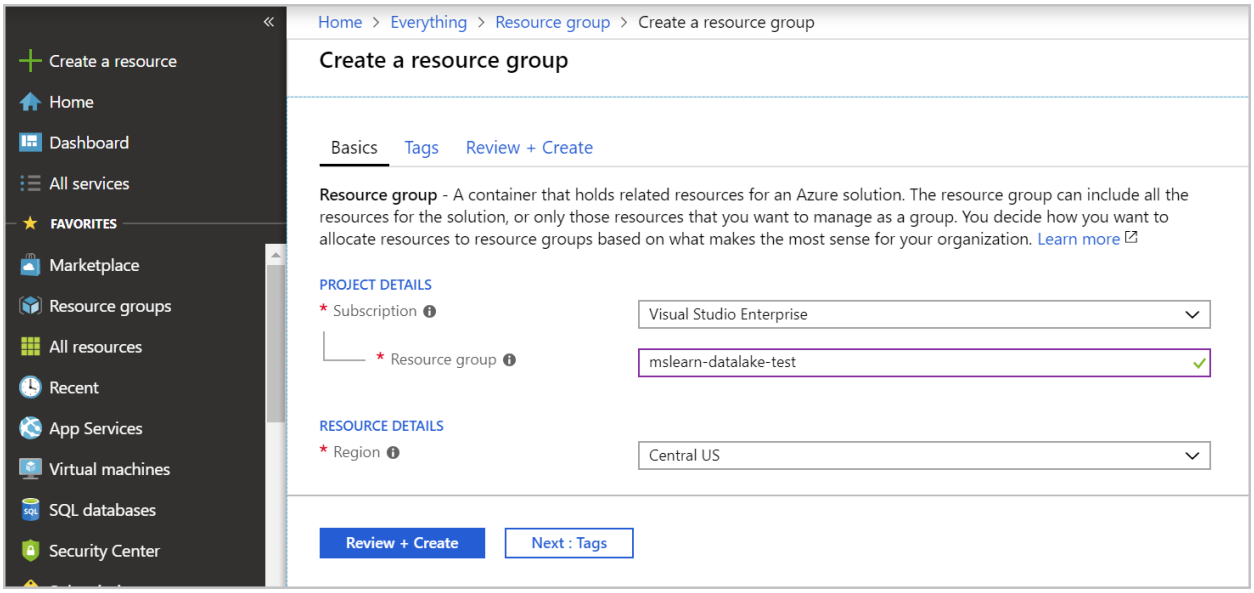
If you don't have an Azure account or prefer not to do this exercise in your account, just read through the exercise to understand how to create a Data Lake Storage Gen2 store.

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 left, select Create a resource.
3. In the search box, type Resource and select Resource group from the results.
4. Select Create to add a new resource group.
5. On the Basics tab, select the subscription you want to work in.
6. Name the resource group mslearn-datalake-test.
7. Choose the region (location) for the resource group. Typically, you'll want a location that's close to you or to the data you'll work with.



Screenshot showing how to create a resource group in the Azure portal.

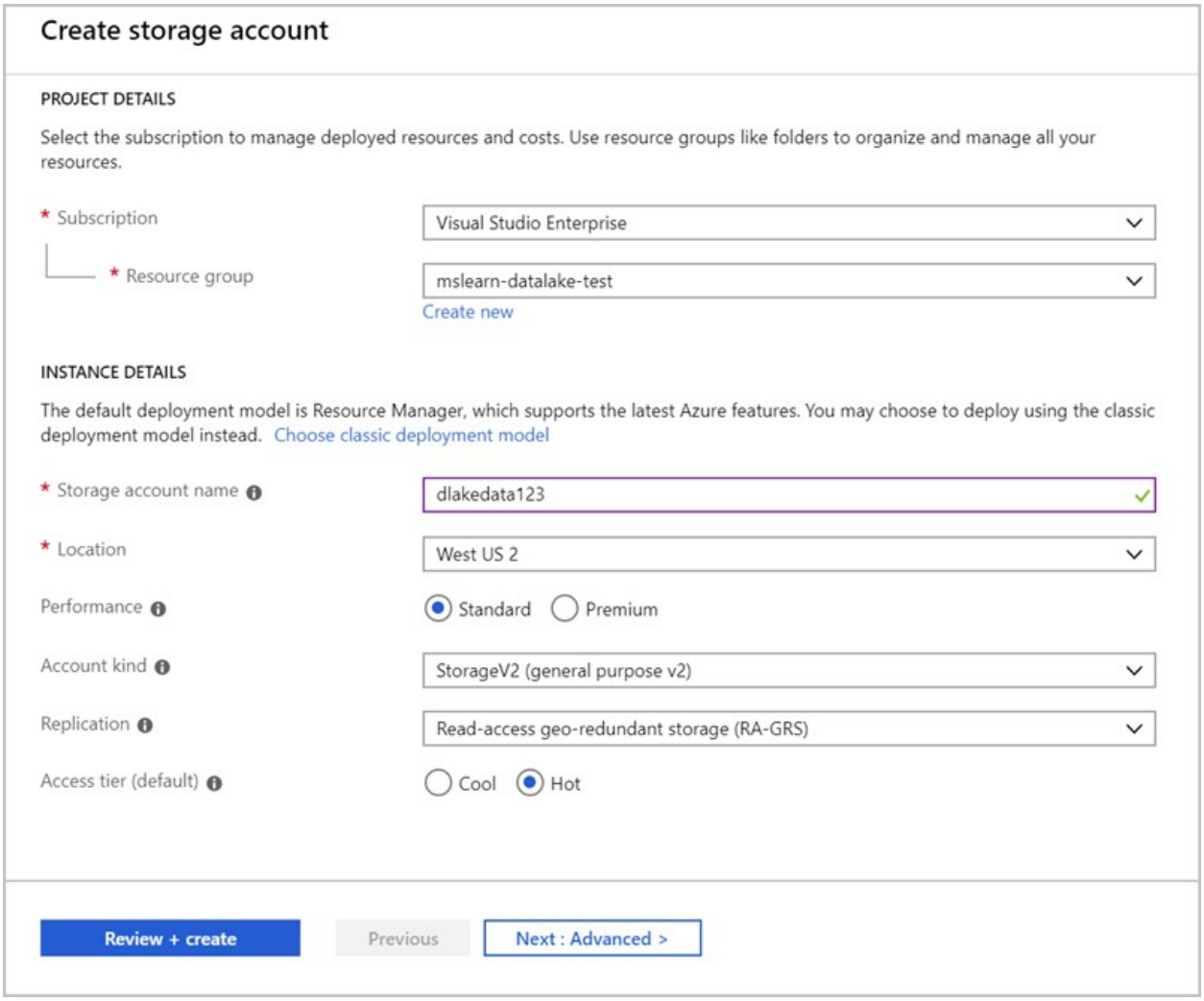
8. Select Review + Create > Create.

After you quickly create your resource group, you can pin it to your 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 setting difference. To create the data lake, follow these steps:

1. On the left side of the Azure portal, select Create a resource.
2. Select Storage > Storage account.
3. Select your Subscription and the Resource group you created earlier (mslearn-datalake-test).
4. Enter a 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 "dlakedata" with some numbers. A green check mark indicates you've entered a valid name.
5. For the location, select Central US.
6. Make sure the Account kind is StorageV2 (general-purpose V2). Leave the defaults for the rest of the values.

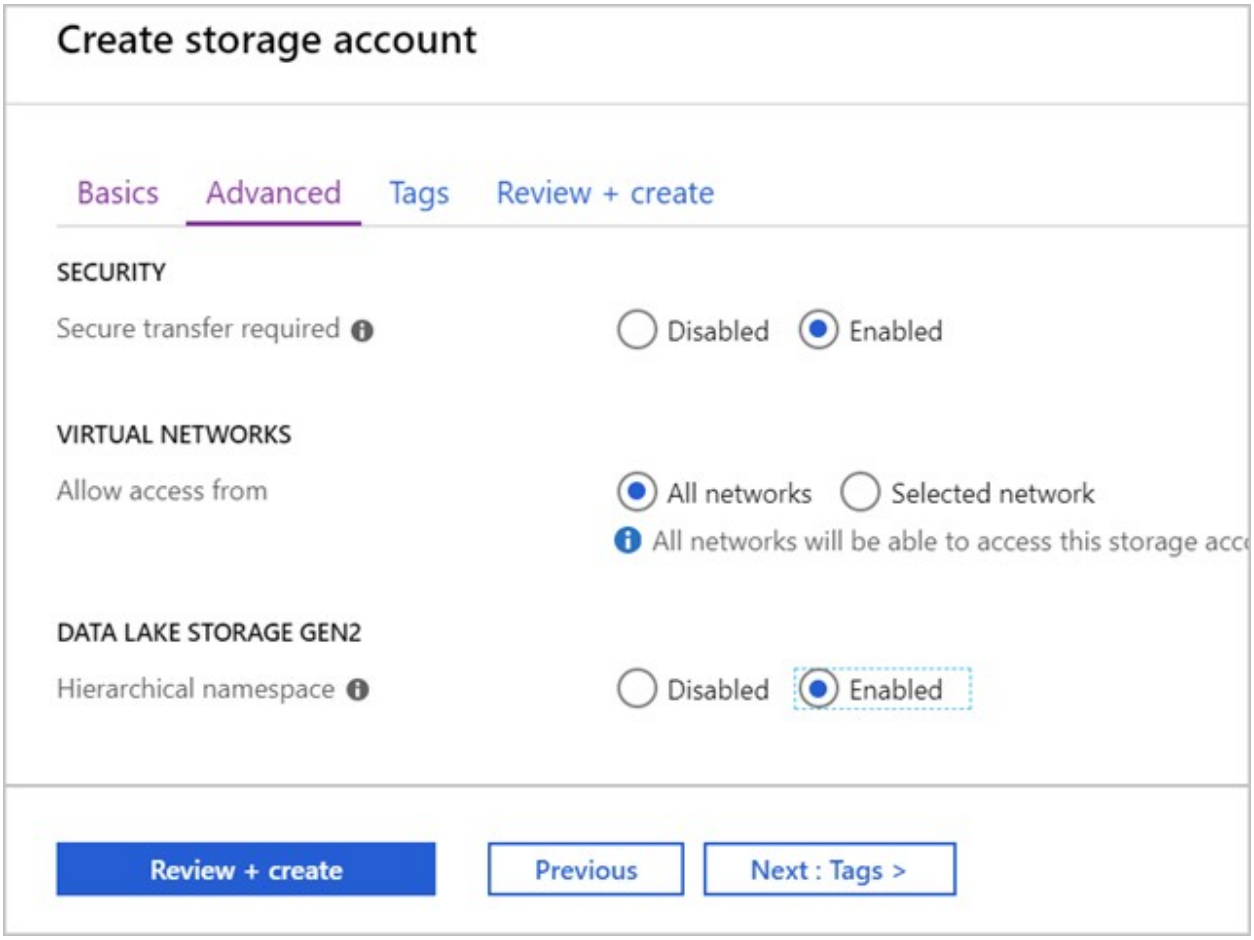


Screenshot showing how to create a storage account in the Azure portal.

7. Select Next: Advanced.

8. In the Data Lake Storage Gen2 (preview) section, next to Hierarchical namespace, select Enabled.

9. Select Review + Create to create the storage account.



Screenshot showing the Advanced tab of the Create storage account area in the Azure portal.

10.After the creation details are validated, select Create to start the deployment.

When you receive a message that indicates your deployment is complete, select `Go to resource` to confirm the deployment.