

Lab: Explore Azure Storage

In this exercise you'll provision an Azure Storage account in your Azure subscription and explore the various ways you can use it to store data.

This lab will take approximately **15** minutes to complete.

Part 4: Explore Azure Data Lake Storage Gen2

Azure Data Lake Store Gen2 support enables you to use hierarchical folders to organize and manage access to blobs. It also enables you to use Azure blob storage to host distributed file systems for common big data analytics platforms.

1. Download the [product2.json](https://aka.ms/product2.json) JSON file from <https://aka.ms/product2.json> and save it on your computer in the same folder where you downloaded **product1.json** previously - you'll upload it to blob storage later).
2. In the Azure portal page for your storage account, on the left side, scroll down to the **Settings** section, and select **Data Lake Gen2 upgrade**.
3. In the **Data Lake Gen2 upgrade** page, expand and complete each step to upgrade your storage account to enable hierarchical namespace and support Azure Data Lake Storage Gen 2. This may take some time.
4. When the upgrade is complete, in the pane on the left side, in the top section, select **Storage browser** and navigate back to the root of your **data** blob container, which still contains the **product_data** folder.
5. Select the **product_data** folder, and verify it still contains the **product1.json** file you uploaded previously.
6. Use the **↑ Upload** button to open the **Upload blob** panel.
7. In the **Upload blob** panel, select the **product2.json** file you saved on your local computer. Then select the **Upload** button.
8. Close the **Upload blob** panel if it's still open and verify that a **product_data** folder now contains the **product2.json** file.
9. On the left side, in the **Data storage** section, select **Containers**.
10. Open the **data** container and verify that the **product_data** folder you created is listed.
11. Select the **⋮** icon at the right-end of the folder, and note that with hierarchical namespace enabled, you can perform configuration tasks at the folder-level; including renaming folders and setting permissions.
12. Use the **X** icon at the top right in the **data** page to close the page and return to the **Containers** page.