Create and execute a notebook

Note: *In this reading you can see the steps involved in the process of creating and executing a notebook.*
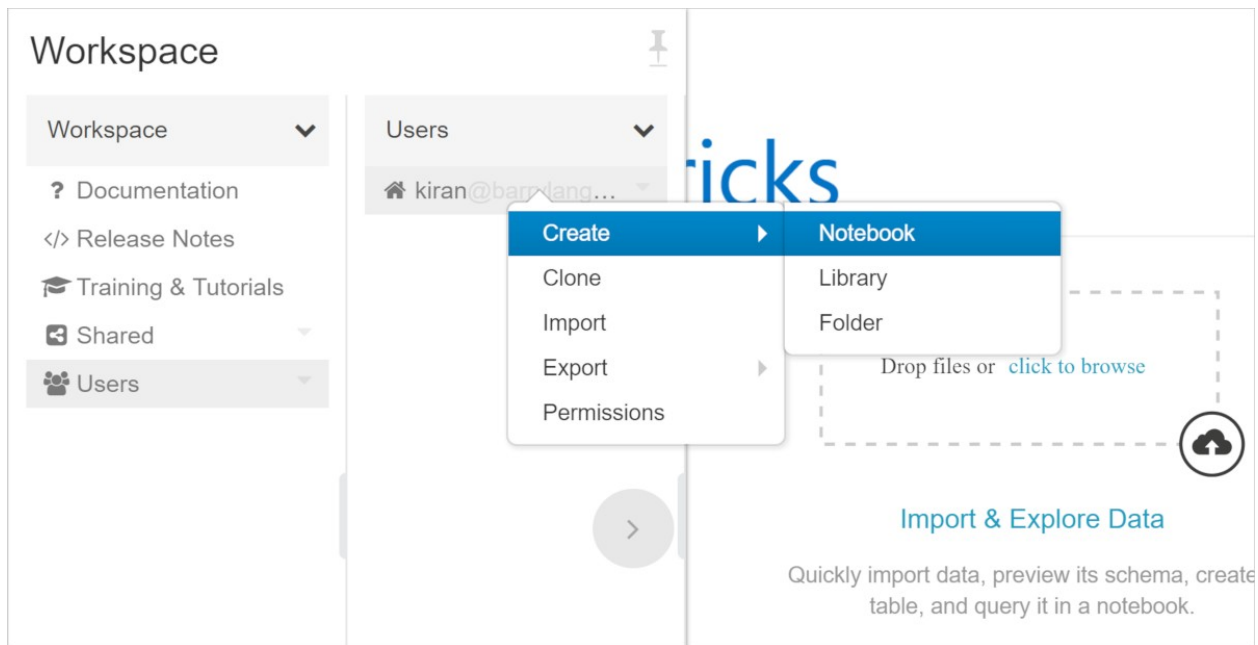
After creating your Databricks workspace, it's time to create your first notebook. To execute your notebook, you will attach the cluster you created in the previous exercise.

What is Apache Spark notebook?

A notebook is a collection of cells. These cells are run to execute code, to render formatted text, or to display graphical visualizations.

Create a notebook

1. In the Azure portal, click **All resources** menu on the left side navigation and select the Databricks workspace you created in the last unit.

2. Select **Launch Workspace** to open your Databricks workspace in a new tab.

3. On the left-hand menu of your Databricks workspace, select **Home**.

4. Right-click on your home folder.

5. Select **Create**.

6. Select **Notebook**.

The menu option to create a new notebook.

7. Name your notebook **First Notebook**.

8. Set the **Language** to **Python**.

9. Select the cluster to which to attach this notebook.

Note: This option displays only when a cluster is currently running. You can still create your notebook and attach it to a cluster later.
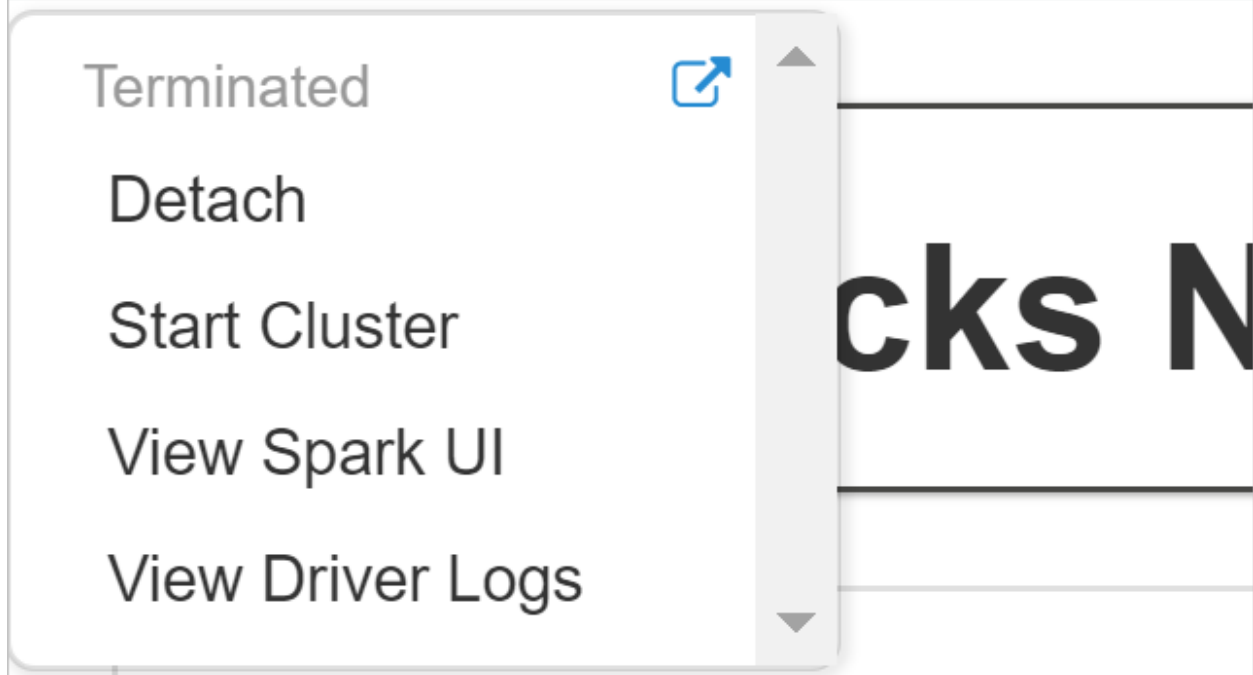
10. Select **Create**.

Now that you've created your notebook, let's use it to run some code.

Attach and detach your notebook

To use your notebook to run a code, you must attach it to a cluster. You can also detach your notebook from a cluster and attach it to another depending upon your organization's requirements.

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⬡ Attached: ● NewCluster ▾   📄 File ▾

Terminated	🔗
Detach	
Start Cluster	
View Spark UI	
View Driver Logs	

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The options that are available when a notebook is attached to a cluster.
If your notebook is attached to a cluster, you can:

- Detach your notebook from the cluster
- Restart the cluster
- Attach to another cluster
- Open the Spark UI
- View the log files of the driver