# **ASSESSMENT**

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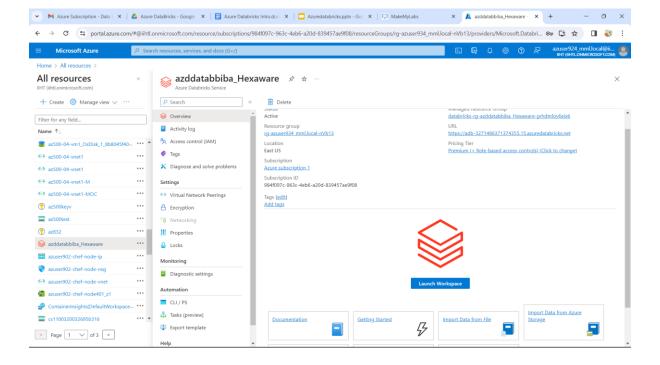
DATE-29/12/2023

#### **CREATE AN AZURE DATABRICKS WORKSPACE:**

- In the Azure portal, select Create a resource > Analytics > Azure Databricks.
- Under Azure Databricks Service, provide the values to create a Databricks workspace.

Property	Description
Workspace name	Provide a name for your Databricks workspace
Subscription	From the drop-down, select your Azure subscription.
Resource group	Specify whether you want to create a new resource group or use an existing one. A resource group is a container that holds related resources for an Azure solution. For more information, see <u>Azure Resource Group overview</u> .
Location	Select <b>West US 2</b> . For other available regions, see <u>Azure services available by region</u> .
Pricing Tier	Choose between <b>Standard</b> , <b>Premium</b> , or <b>Trial</b> . For more information on these tiers, see <u>Databricks pricing page</u> .

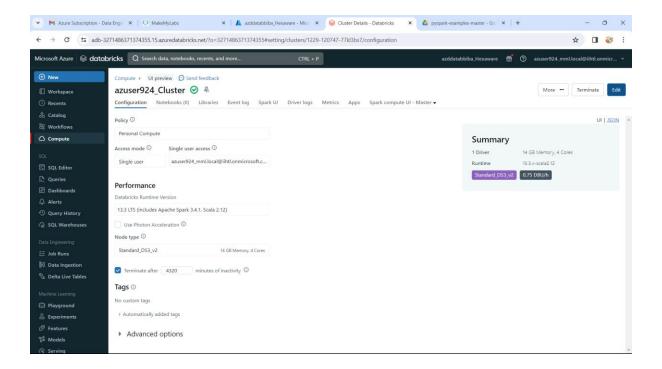
Select Review + Create, and then Create. The workspace creation takes a few minutes.
During workspace creation, you can view the deployment status in Notifications. Once this process is finished, your user account is automatically added as an admin user in the workspace.



### **CREATE CLUSTER:**

A cluster is a collection of Azure Databricks computation resources. To create a cluster:

- 1. In the sidebar, click Compute.
- 2. On the Compute page, click Create Compute.
- 3. On the New Compute page, select **13.3 LTS (Scala 2.12, Spark 3.3.2)** or higher from the Databricks Runtime version dropdown.
- 4. Click Create Cluster.



## **CREATE NOTEBOOK:**

A notebook is a collection of cells that run computations on an Apache Spark cluster. For more information on using notebooks, see Introduction to Databricks notebooks. To create a notebook in the workspace:

- 1. In the sidebar, click Workspace.
- 2. In your Home folder, click the blue Add button > Notebook.
- 3. Replace the default name of your notebook with your own title and select **SQL** in the language drop-down. This selection determines the *default language* of the notebook.



4. Attach the notebook to the cluster you created. Click the cluster selector in the notebook toolbar and select your cluster from the dropdown menu. If you don't see your cluster, click More... and select the cluster from the dropdown menu in the dialog.

### **PRACTICE PROGRAMS:**

