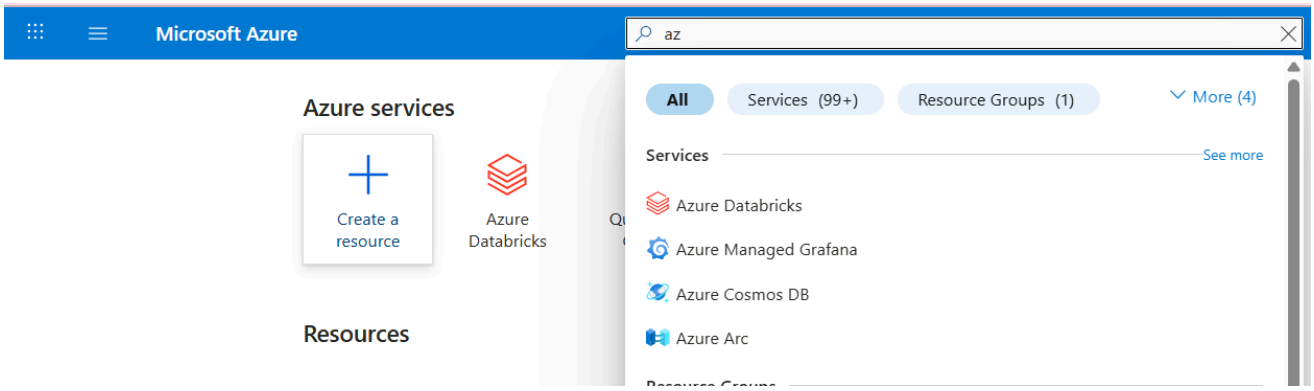
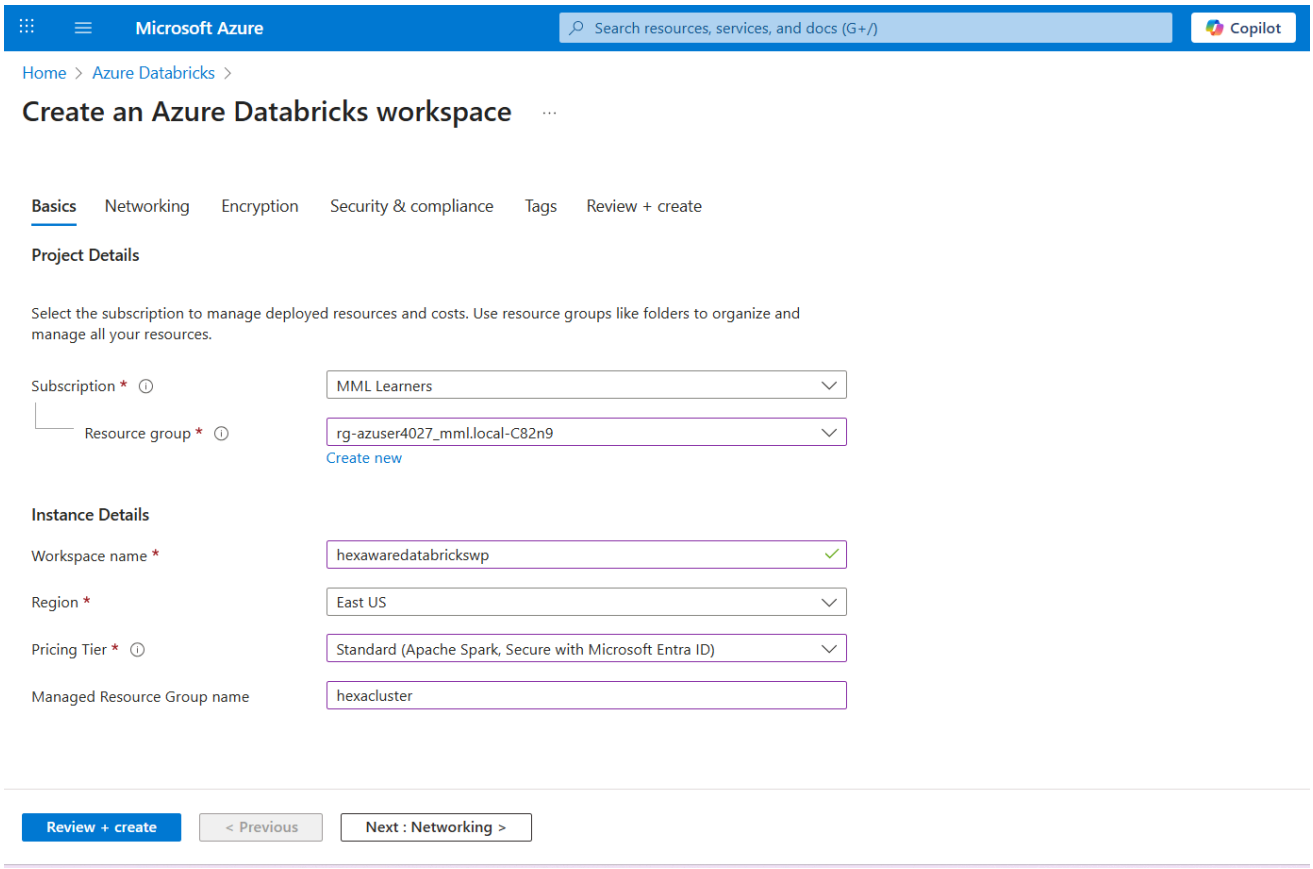
Azure Databricks Workspace Deployment Guide

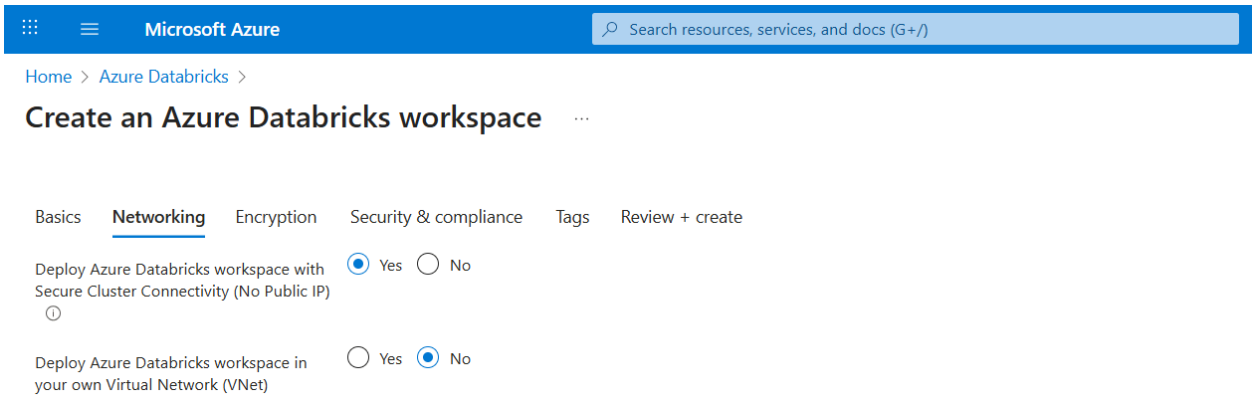


In the Microsoft Azure portal, go to the search bar at the top, type ‘Azure Databricks’, and select it from the results.

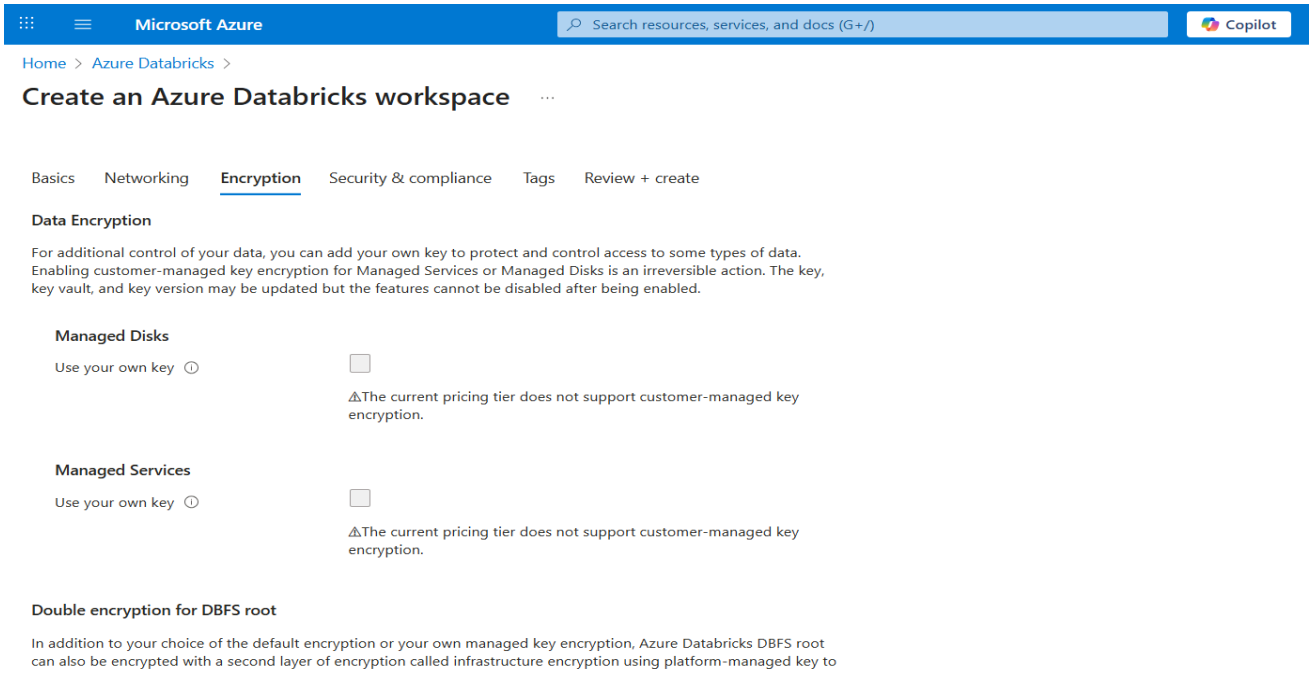


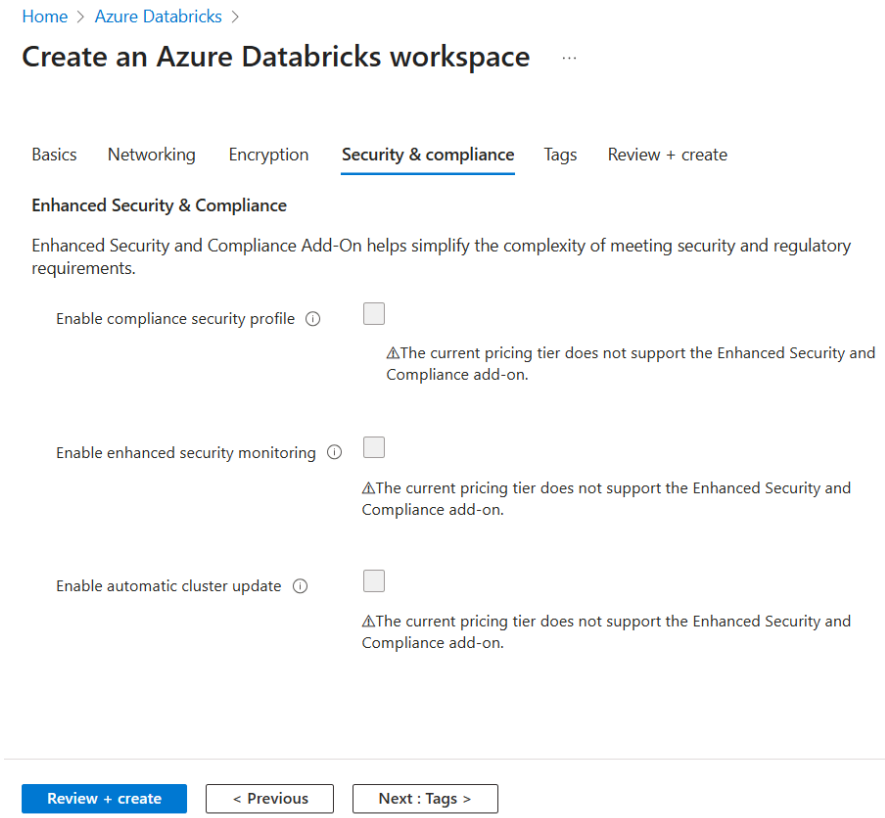
After navigating to Azure Databricks, click on “Create” to begin setting up a new Databricks workspace. Under the “Basics” tab, you will be prompted to fill in the required project details

such as Subscription, Resource Group, Workspace Name, Region, and Pricing Tier. Ensure that all fields are completed accurately before proceeding.
NOTE : Leave managed resource group name empty (it cases error so leave it empty)



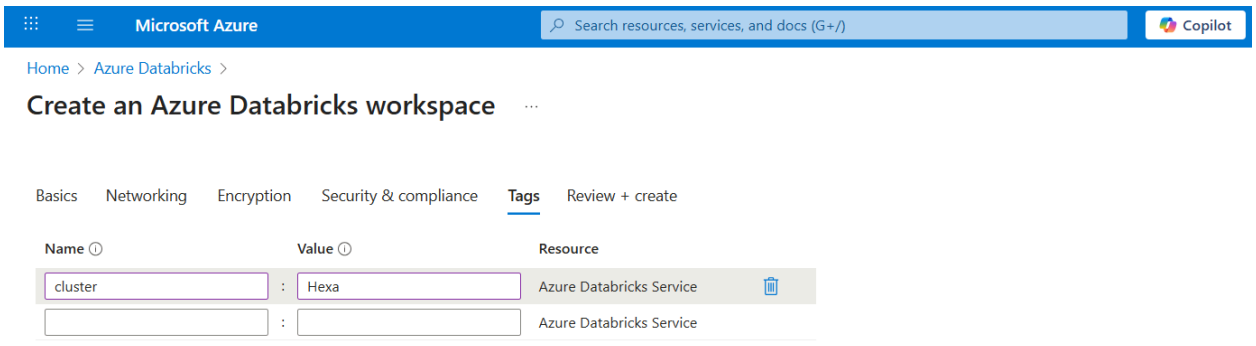
Next, you will be taken to the “Networking” tab. All the required fields in this section are auto-filled by default, so there is no need to make any changes. Simply review the settings and proceed.



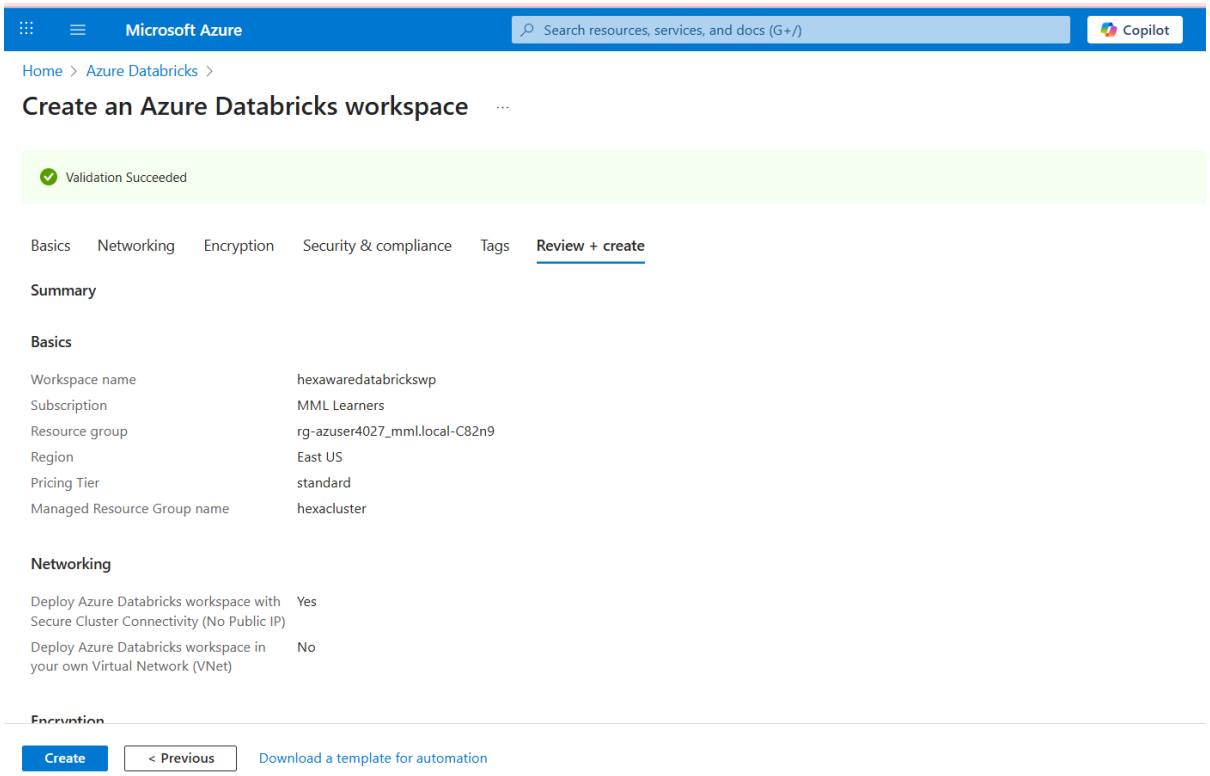


After completing the Networking section, you will be directed to the “Encryption” tab. All settings in this section are automatically configured, so no changes are required.

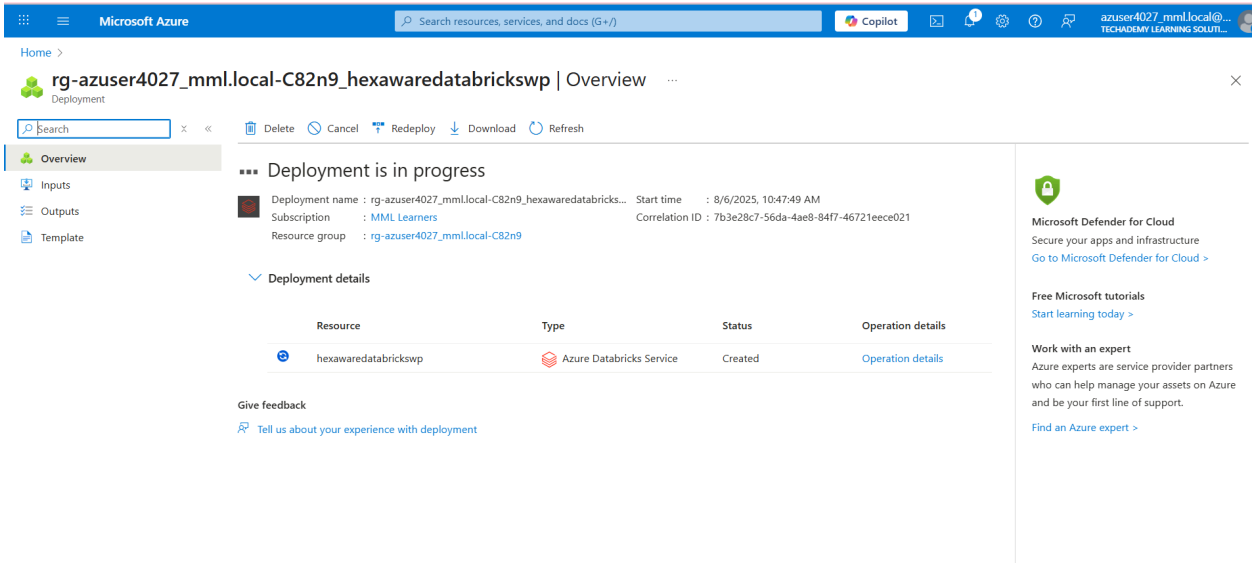
The following section, “Security and Compliance,” is also pre-configured. You can proceed without making any modifications.



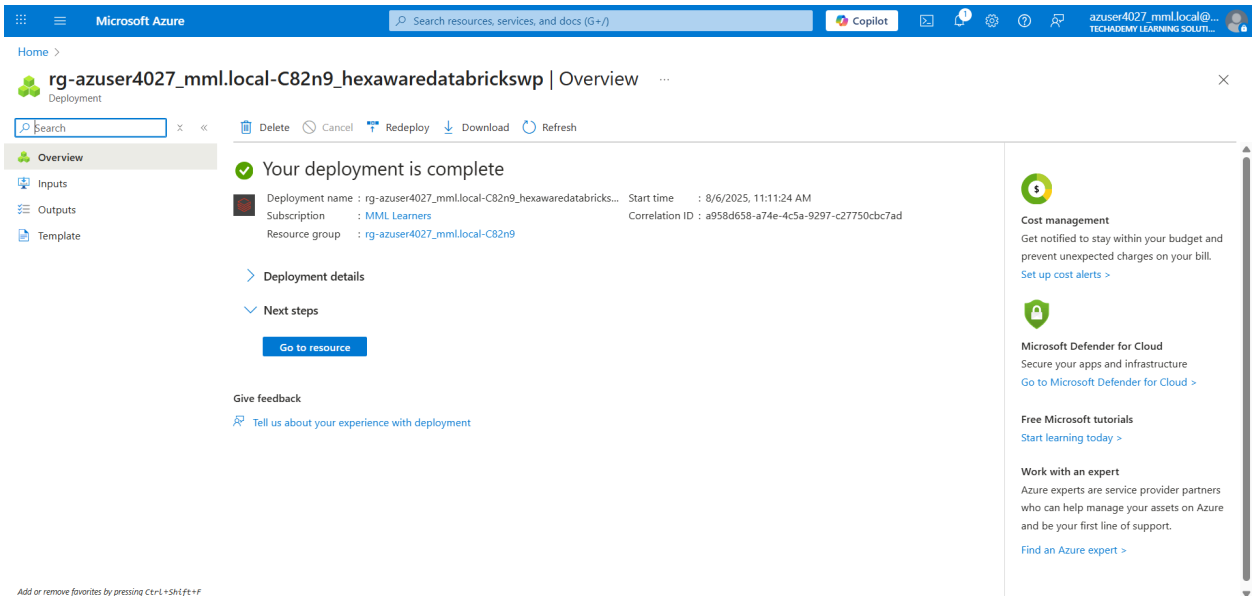
After completing the Security and Compliance section, you will be taken to the “Tags” tab. In this section, you need to add a tag by entering a **Name** and a corresponding **Value**. Tags help with resource organization and management.



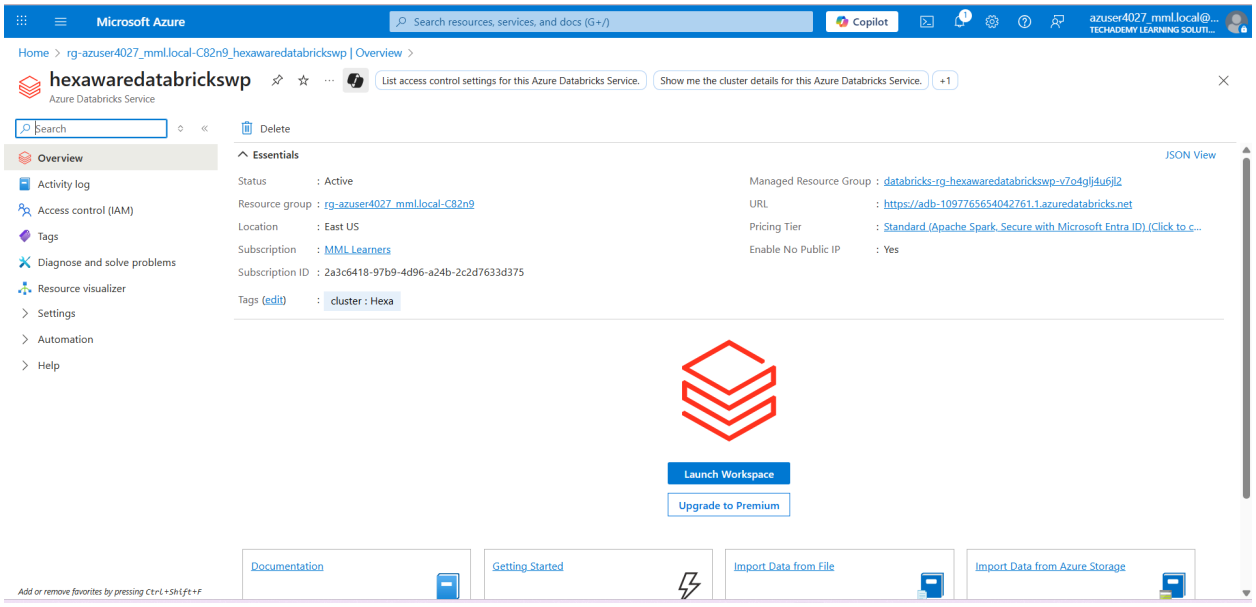
The final step is the “Review + Create” tab. Here, you can review all the configurations you have made, including Basics, Networking, Encryption, Security, and Tags. If everything is filled out correctly, you will see a message that says “Validation passed.” Once validated, click the “Create” button to start the deployment.



After clicking the “Create” button, you will be redirected to a page showing that the deployment is in progress. This process may take a few minutes to complete. Please wait until the deployment is finished.

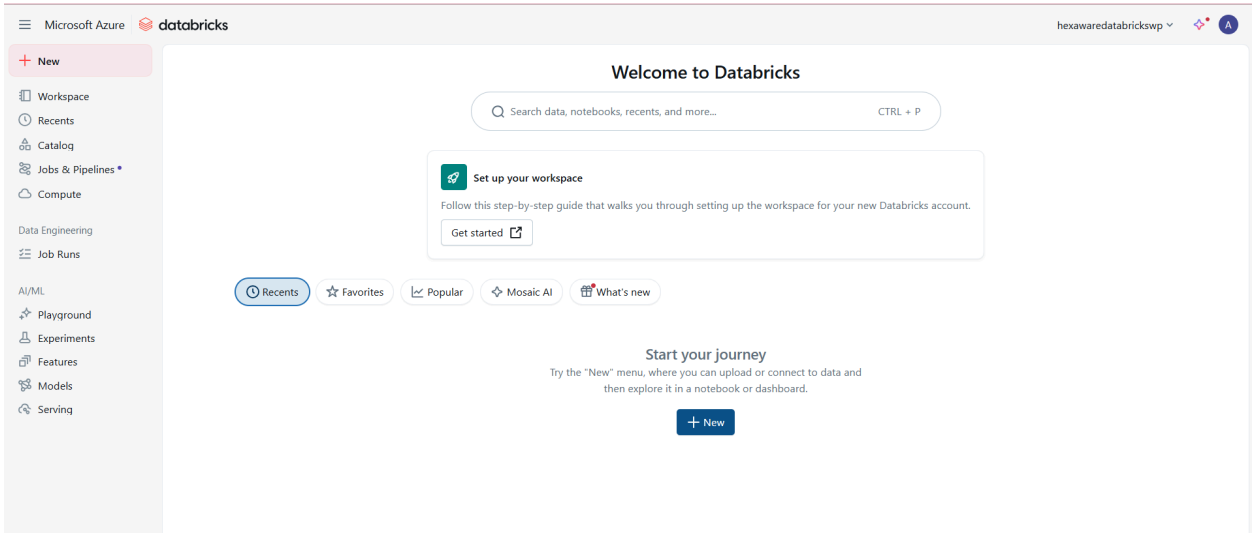


After a few minutes, once the deployment is complete, you will see a message stating “Your deployment is complete.” At this point, a button labeled “Go to Resource” will appear. Click on this button to access your newly created Databricks workspace.

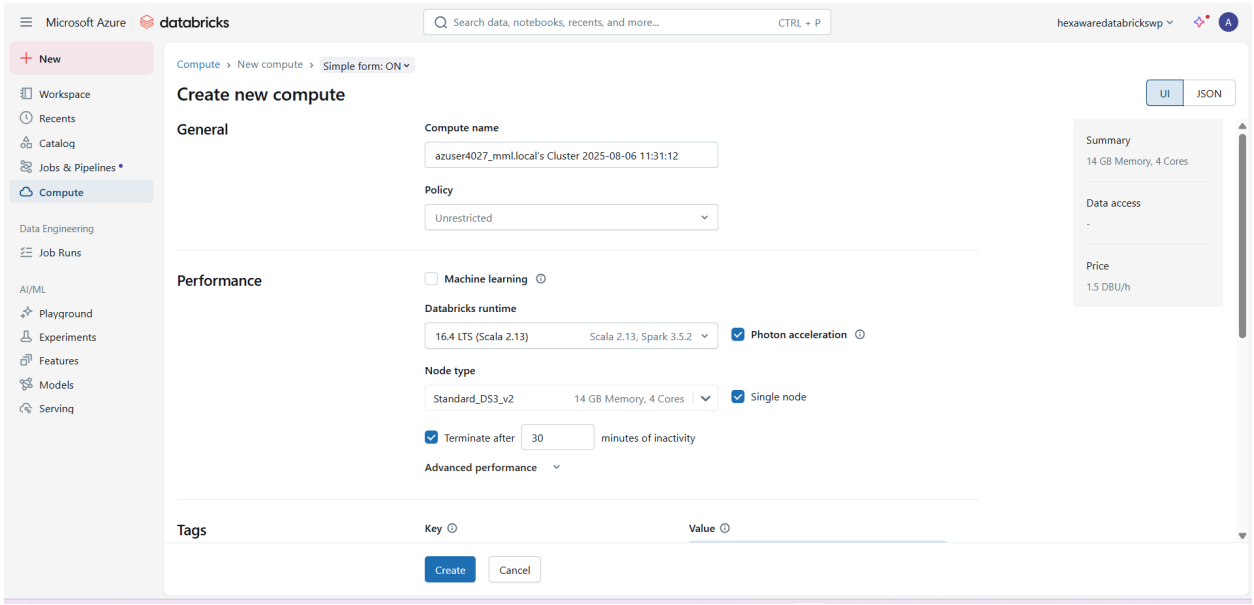


You will now be redirected to the Databricks Workspace overview page in the Microsoft Azure portal. Here, you can view all the essential details such as Status, Location, Subscription, Subscription ID, and any assigned Tags.

Towards the bottom of the page, you will find a button labeled “Launch Workspace.” Click this button to open the Databricks environment.



After launching the workspace, you will be directed to the Databricks welcome page. On the left-hand navigation panel, click on the “Compute” option. Then, click on “Create Compute” to set up a new cluster for running your workloads.

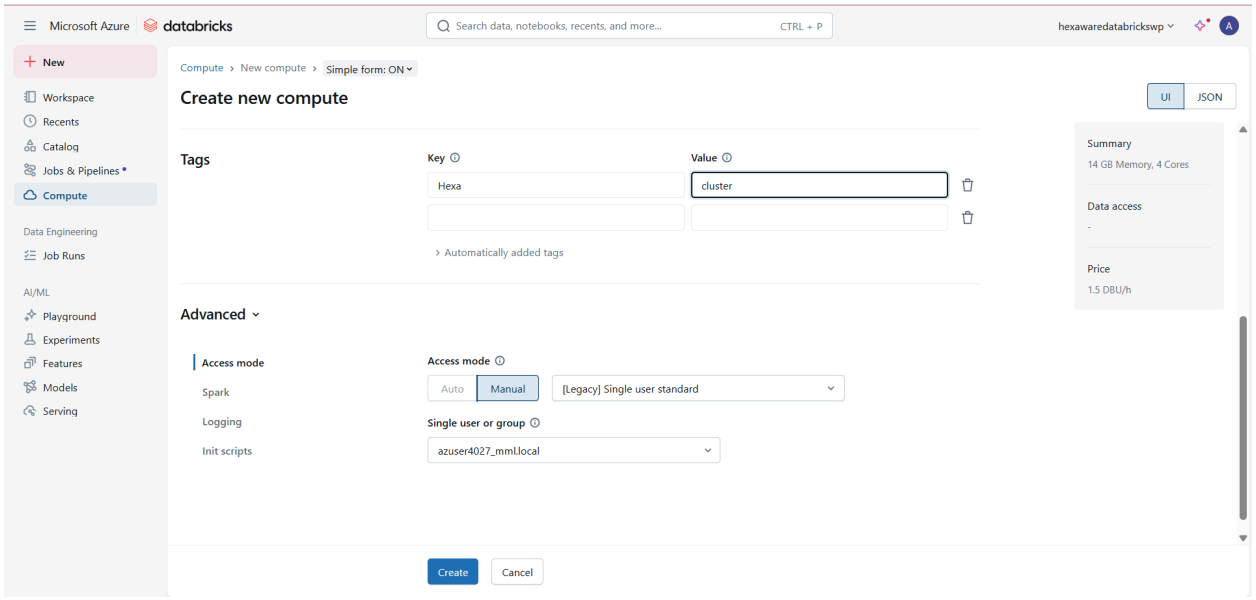


Now, we will create a new compute (cluster) in Databricks. On the “Create Compute” page, you will see two main sections: *General* and *Performance*.

- In the **General** section, ensure that the **Policy** is set to **Unrestricted**.

- In the **Performance** section, select the required options based on your workload needs. Refer to the uploaded image as a guide for choosing the appropriate settings.

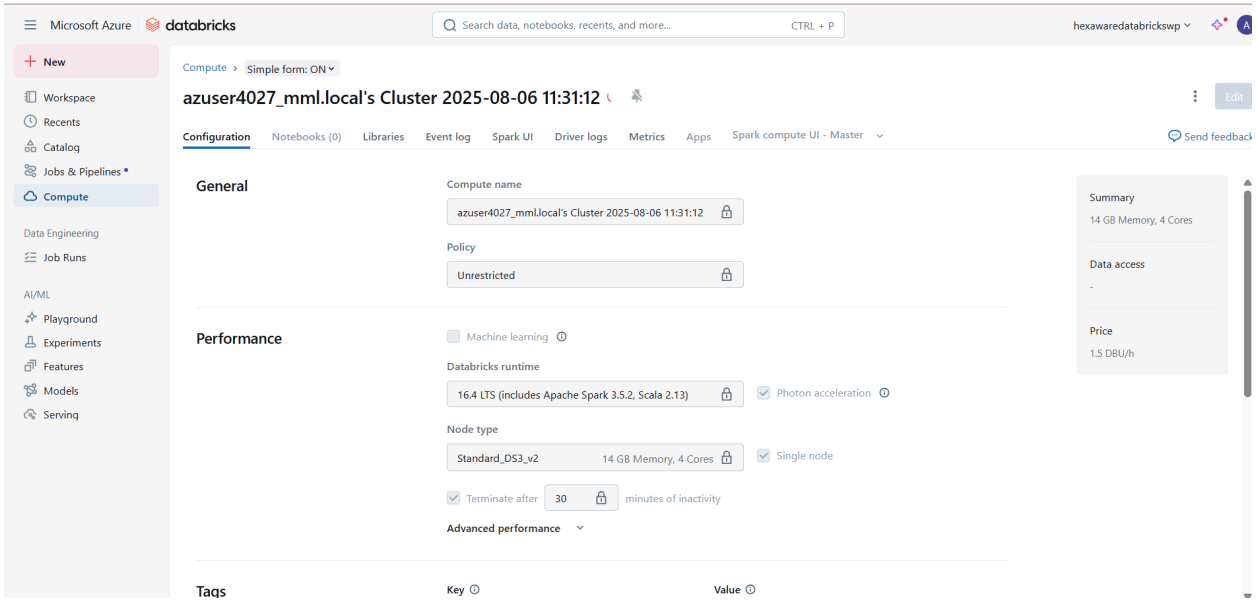
On the **right-hand side** of the page, you will see the **estimated pricing** based on the selected Databricks runtime version and node type. The cost will change dynamically depending on your configuration.



Scroll down to the “Tags” section. Here, you can add metadata to help organize your resources.

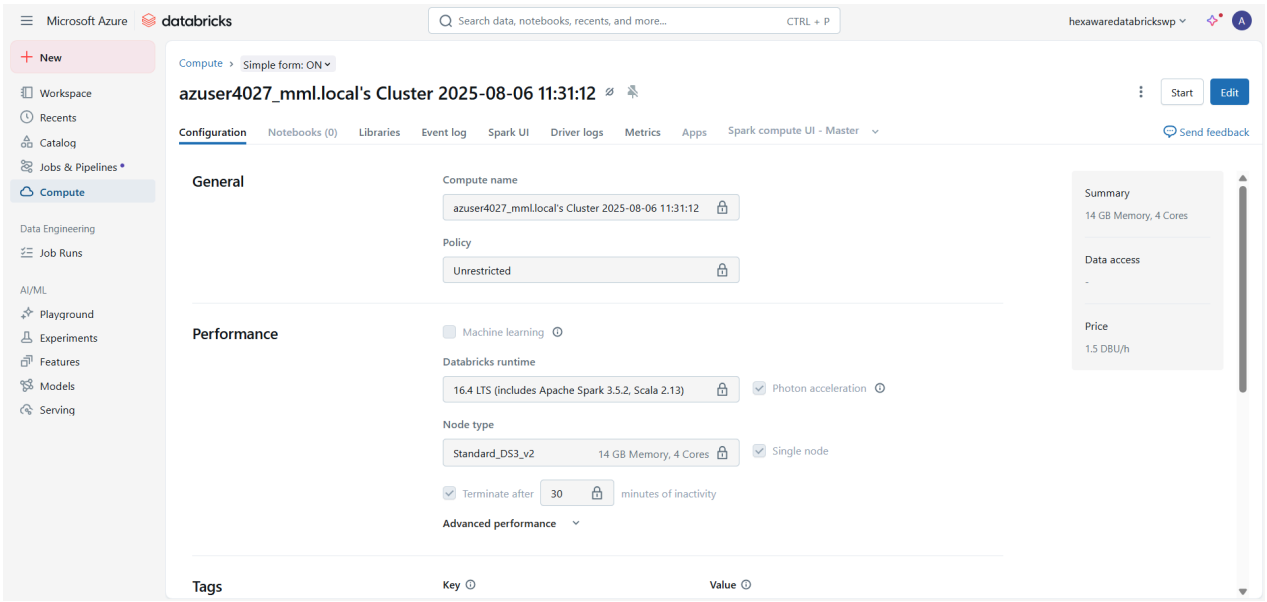
- In the **Key** field, enter: `hexa`
- In the **Value** field, enter: `cluster`

These tags can help with resource tracking, billing, and management.



Once the configuration is complete and you click “Create,” the cluster (compute) will be created. After the cluster is up and running, you will see two main options on the right side of the cluster pane:

- **Edit** – Click this if you want to modify the cluster configuration (e.g., runtime version, node type, etc.).
- **Terminate** – Click this to shut down the cluster when it's no longer needed. This helps avoid unnecessary charges.



If you want to start the cluster again after it has been terminated, go to the top-right corner of the cluster pane and click the **“Start”** button. This will restart the cluster and make it ready for use.

BY
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