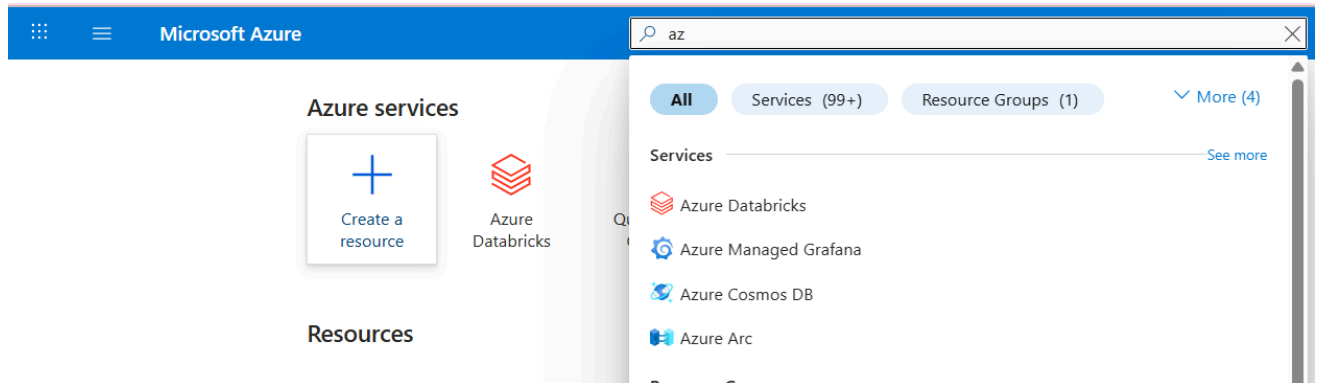


Azure Databricks Workspace Deployment Guide



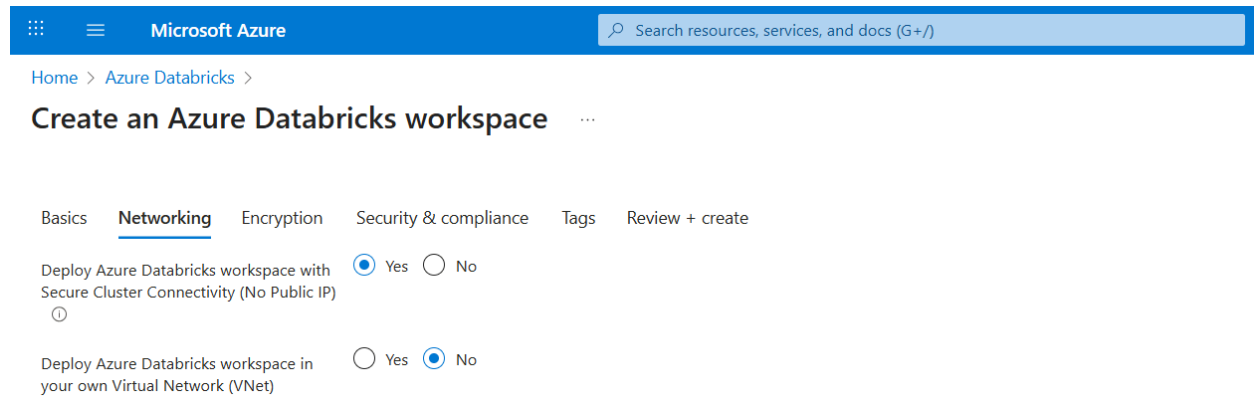
In the Microsoft Azure portal, go to the search bar at the top, type 'Azure Databricks', and select it from the results.

A screenshot of the 'Create an Azure Databricks workspace' form in the Microsoft Azure portal. The form is titled 'Create an Azure Databricks workspace' and has a breadcrumb trail 'Home > Azure Databricks >'. Below the title, there are tabs for 'Basics', 'Networking', 'Encryption', 'Security & compliance', 'Tags', and 'Review + create'. The 'Basics' tab is selected. Under the 'Project Details' section, there are two dropdown menus: 'Subscription' (selected: MML Learners) and 'Resource group' (selected: rg-azuser4027_mml.local-C82n9). Below these, there's a 'Create new' link. Under the 'Instance Details' section, there are four input fields: 'Workspace name' (hexawaredatabrickswp), 'Region' (East US), 'Pricing Tier' (Standard (Apache Spark, Secure with Microsoft Entra ID)), and 'Managed Resource Group name' (hexacluster). At the bottom, there are three buttons: 'Review + create', '< Previous', and 'Next : Networking >'. The 'Review + create' button is highlighted.

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

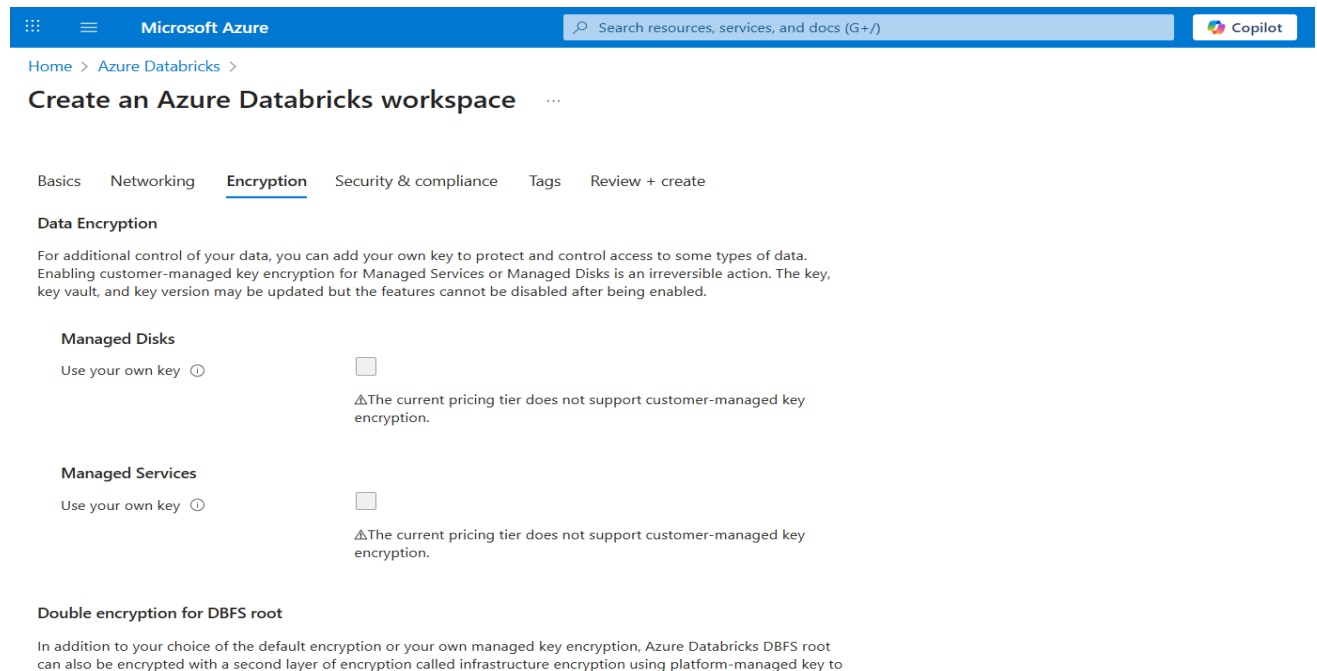
such as Subscription, Resource Group, Workspace Name, Region, and Pricing Tier. Ensure that all fields are completed accurately before proceeding.

NOTE : Leave managed resource group name empty (it cases error so leave it empty)



The screenshot shows the 'Create an Azure Databricks workspace' page in the 'Networking' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > Azure Databricks >'. The main title is 'Create an Azure Databricks workspace'. Below the title, there are tabs: 'Basics', 'Networking' (selected), 'Encryption', 'Security & compliance', 'Tags', and 'Review + create'. Under the 'Networking' tab, there are two sections. The first section is 'Deploy Azure Databricks workspace with Secure Cluster Connectivity (No Public IP)' with a radio button set to 'Yes'. The second section is 'Deploy Azure Databricks workspace in your own Virtual Network (VNet)' with a radio button set to 'No'.

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.



The screenshot shows the 'Create an Azure Databricks workspace' page in the 'Encryption' tab. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > Azure Databricks >'. The main title is 'Create an Azure Databricks workspace'. Below the title, there are tabs: 'Basics', 'Networking', 'Encryption' (selected), 'Security & compliance', 'Tags', and 'Review + create'. Under the 'Encryption' tab, there's a section titled 'Data Encryption'. Below this section, there's a paragraph explaining that enabling customer-managed key encryption for Managed Services or Managed Disks is an irreversible action. Below this paragraph, there are two sections: 'Managed Disks' and 'Managed Services'. Each section has a checkbox labeled 'Use your own key' which is currently unchecked. To the right of each checkbox, there's a warning message: '⚠The current pricing tier does not support customer-managed key encryption.' Below these sections, there's a section titled 'Double encryption for DBFS root'. Below this section, there's a paragraph explaining that in addition to the default encryption or your own managed key encryption, Azure Databricks DBFS root can also be encrypted with a second layer of encryption called infrastructure encryption using platform-managed key to

[Home](#) > [Azure Databricks](#) >

Create an Azure Databricks workspace ...

Basics Networking Encryption **Security & compliance** Tags Review + create

Enhanced Security & Compliance

Enhanced Security and Compliance Add-On helps simplify the complexity of meeting security and regulatory requirements.

Enable compliance security profile ⓘ

☐

⚠The current pricing tier does not support the Enhanced Security and Compliance add-on.

Enable enhanced security monitoring ⓘ

☐

⚠The current pricing tier does not support the Enhanced Security and Compliance add-on.

Enable automatic cluster update ⓘ

☐

⚠The current pricing tier does not support the Enhanced Security and Compliance add-on.

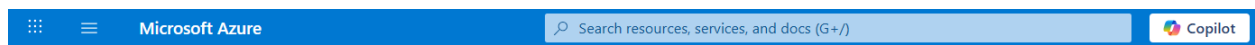
Review + create

< Previous

Next : Tags >

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.



[Home](#) > [Azure Databricks](#) >

Create an Azure Databricks workspace ...

Basics Networking Encryption Security & compliance **Tags** Review + create

Name ⓘ

Value ⓘ

Resource

cluster	:	Hexa	Azure Databricks Service	
	:		Azure Databricks Service	

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.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home > Azure Databricks >

Create an Azure Databricks workspace

Validation Succeeded

Basics Networking Encryption Security & compliance Tags **Review + create**

Summary

Basics

Workspace name	hexawaredatabrickswp
Subscription	MML Learners
Resource group	rg-azuser4027_mml.local-C82n9
Region	East US
Pricing Tier	standard
Managed Resource Group name	hexacluster

Networking

Deploy Azure Databricks workspace with Secure Cluster Connectivity (No Public IP)	Yes
Deploy Azure Databricks workspace in your own Virtual Network (VNet)	No

Encryption

Create < Previous Download a template for automation

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.

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home >

rg-azuser4027_mml.local-C82n9_hexawaredatabrickswp | Overview

Deployment

Search x < Delete Cancel Redeploy Download Refresh

Overview

- Inputs
- Outputs
- Template

Deployment is in progress

Deployment name : rg-azuser4027_mml.local-C82n9_hexawaredatabricks... Start time : 8/6/2025, 10:47:49 AM
Subscription : MML Learners Correlation ID : 7b3e28c7-56da-4ae8-84f7-46721eece021
Resource group : rg-azuser4027_mml.local-C82n9

Deployment details

Resource	Type	Status	Operation details
hexawaredatabrickswp	Azure Databricks Service	Created	Operation details

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[Find an Azure expert >](#)

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.

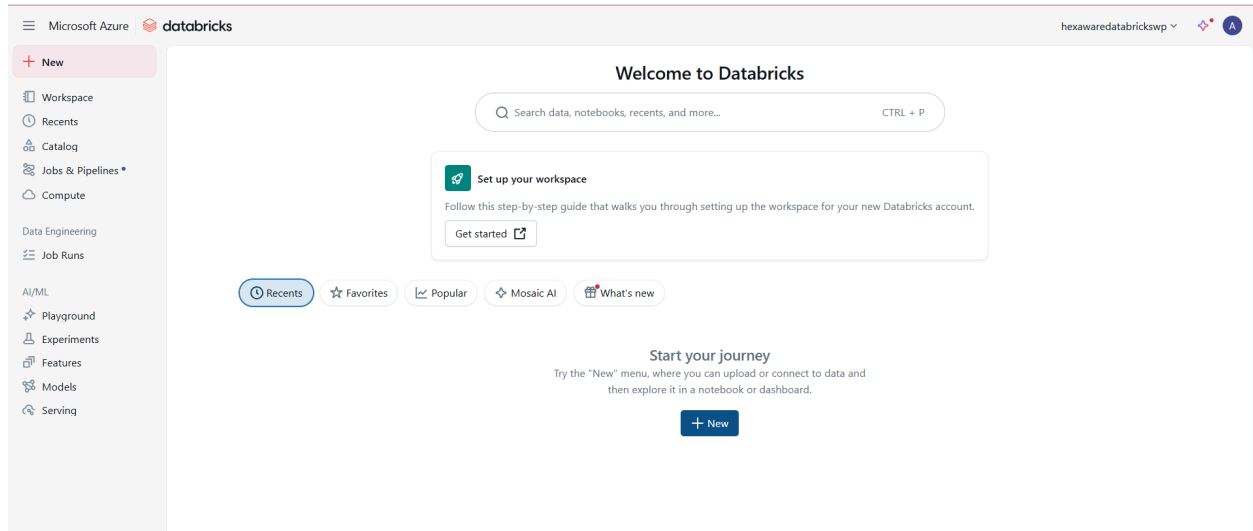
The screenshot shows the Microsoft Azure portal interface. At the top, the navigation bar includes the Microsoft Azure logo, a search bar, and the user profile 'azuser4027_mml.local@...'. The main heading is 'rg-azuser4027_mml.local-C82n9_hexawaredatabrickswp | Overview'. Below this, a sidebar on the left contains links for 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area displays a green checkmark and the message 'Your deployment is complete'. It lists deployment details: 'Deployment name : rg-azuser4027_mml.local-C82n9_hexawaredatabrickswp', 'Subscription : MML Learners', and 'Resource group : rg-azuser4027_mml.local-C82n9'. It also shows the 'Start time : 8/6/2025, 11:11:24 AM' and 'Correlation ID : a958d658-a74e-4c5a-9297-c27750cbc7ad'. A 'Go to resource' button is visible. On the right, a sidebar contains links for 'Cost management', 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', and 'Work with an expert'.

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.

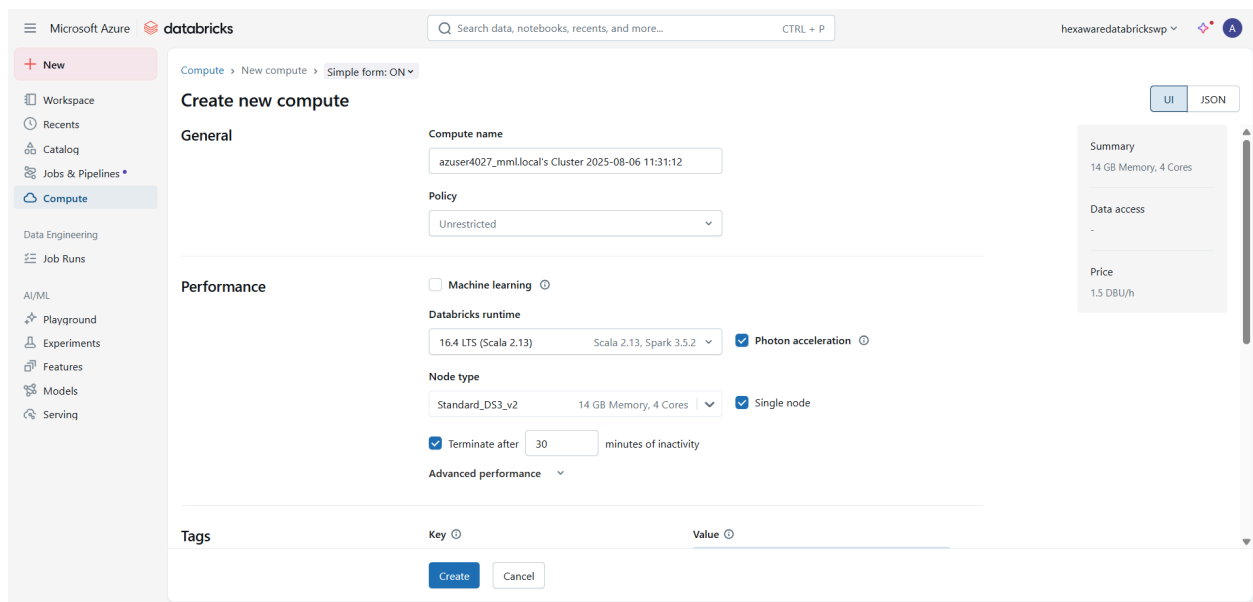
The screenshot shows the Microsoft Azure portal interface for the 'hexawaredatabrickswp' Databricks Service. The navigation bar at the top includes the Microsoft Azure logo, a search bar, and the user profile 'azuser4027_mml.local@...'. The main heading is 'hexawaredatabrickswp | Overview'. Below this, a sidebar on the left contains links for 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Resource visualizer', 'Settings', 'Automation', and 'Help'. The main content area displays the 'Essentials' section with the following details: 'Status : Active', 'Resource group : rg-azuser4027_mml.local-C82n9', 'Location : East US', 'Subscription : MML Learners', 'Subscription ID : 2a3c6418-97b9-4d96-a24b-2c2d7633d375', and 'Tags (edit) : cluster : Hexa'. It also shows the 'Managed Resource Group : databricks-rg-hexawaredatabrickswp-v7o4gjl4u6jl2', 'URL : https://adb-1097765654042761.1.azuredatabricks.net', 'Pricing Tier : Standard (Apache Spark, Secure with Microsoft Entra ID) (Click to c...)', and 'Enable No Public IP : Yes'. A 'Launch Workspace' button is prominently displayed. At the bottom, there are links for 'Documentation', 'Getting Started', 'Import Data from File', and 'Import Data from Azure Storage'.

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.

The screenshot displays the Databricks 'Create new compute' configuration page. The interface includes a sidebar on the left with navigation links such as 'New', 'Workspace', 'Recents', 'Catalog', 'Jobs & Pipelines', 'Compute', 'Data Engineering', 'Job Runs', 'AI/ML', 'Playground', 'Experiments', 'Features', 'Models', and 'Serving'. The main content area is titled 'Create new compute' and features a 'Tags' section with a table for adding metadata. The table has columns for 'Key' and 'Value', with 'Hexa' and 'cluster' entered. Below the tags is an 'Advanced' section with 'Access mode' set to 'Manual' and 'Single user or group' set to 'azuser4027_mmlLocal'. On the right, a 'Summary' panel shows '14 GB Memory, 4 Cores' and '1.5 DBU/h'.

Key	Value
Hexa	cluster

Advanced

Access mode: **Manual** (Legacy) Single user standard

Single user or group: azuser4027_mmlLocal

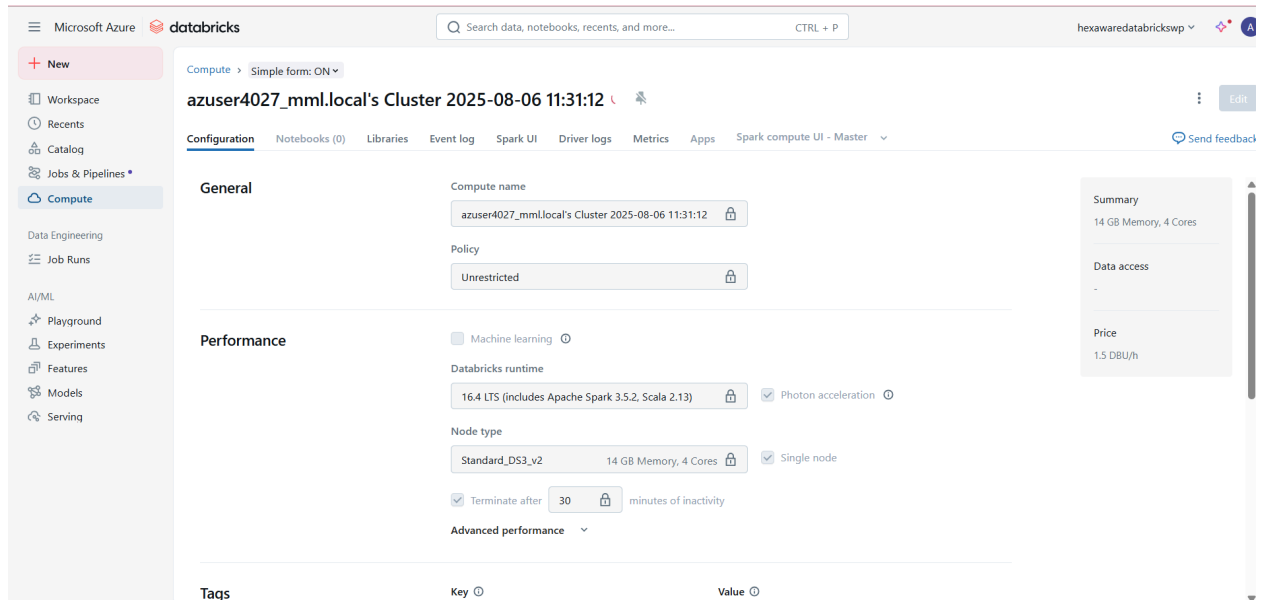
Summary: 14 GB Memory, 4 Cores

Price: 1.5 DBU/h

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

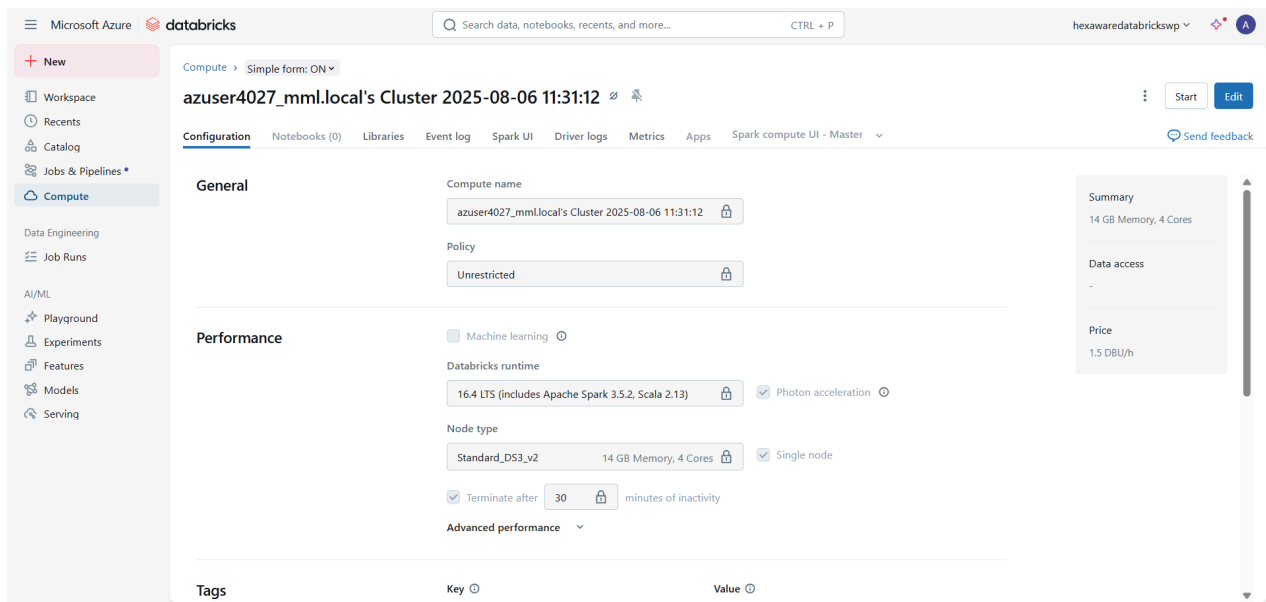
- In the **Key** field, enter: **hexa**
- In the **Value** field, enter: **cluster**

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
SHEETHAL A