Databricks Assignment:

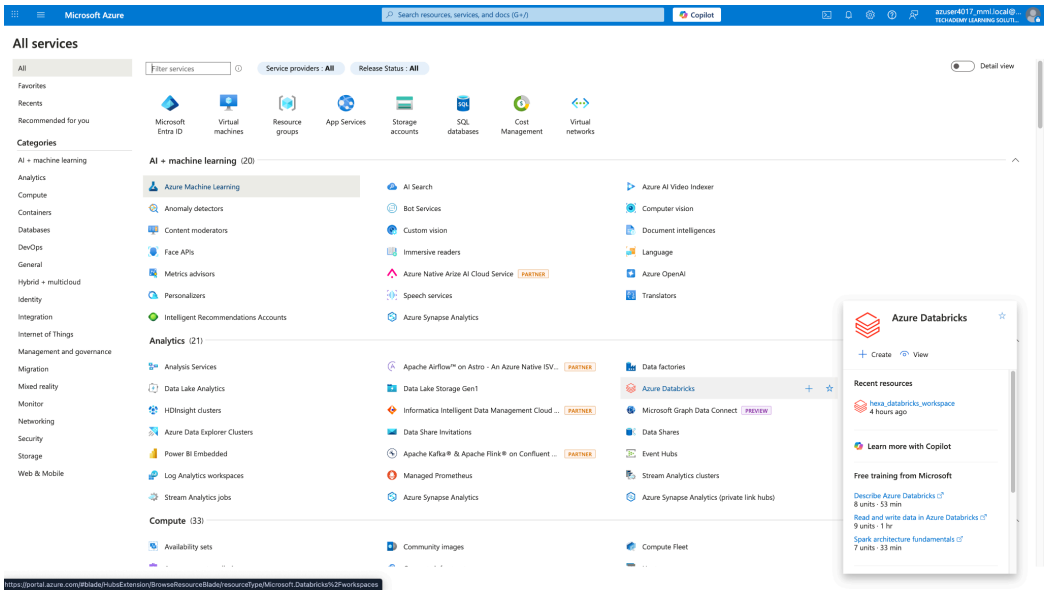
Azure Databricks Setup:

By Esaq

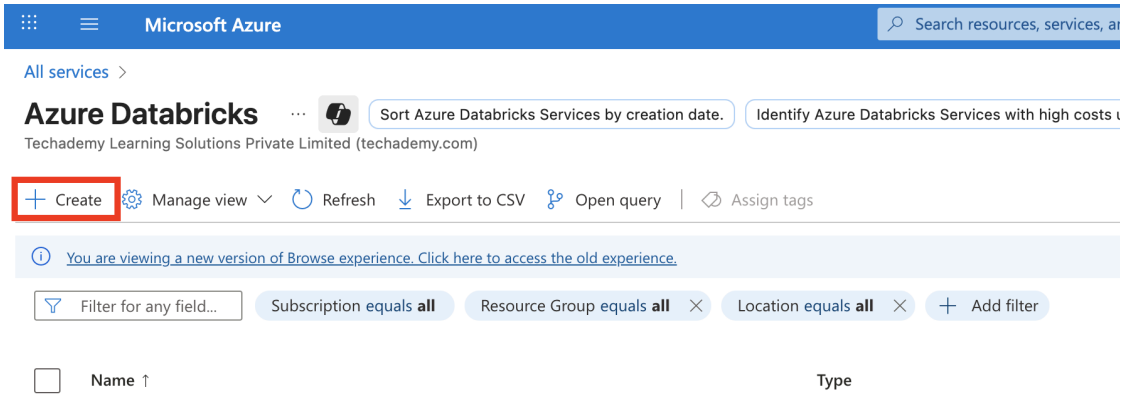
How to create Azure Databricks workspace:

1 . Open the Microsoft Azure portal and and login

- Look for Azure Databricks in All Services and Select it:



2 . Then click on the Create option.



3 . Creating Azure Databricks workspace:

i . Select the existing option or create new in Resource Group

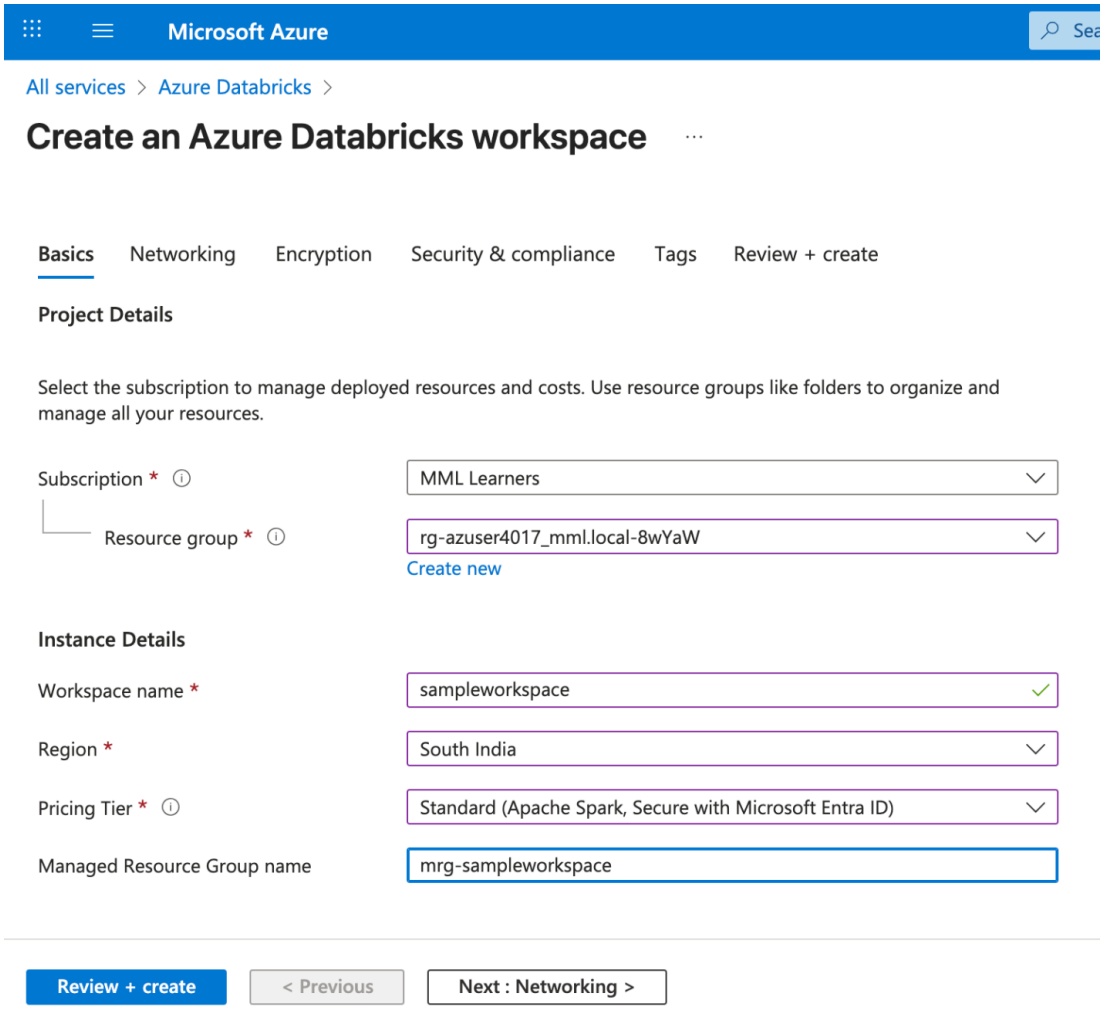
ii . Enter a workspace name

iii . Select your nearest region for better connectivity

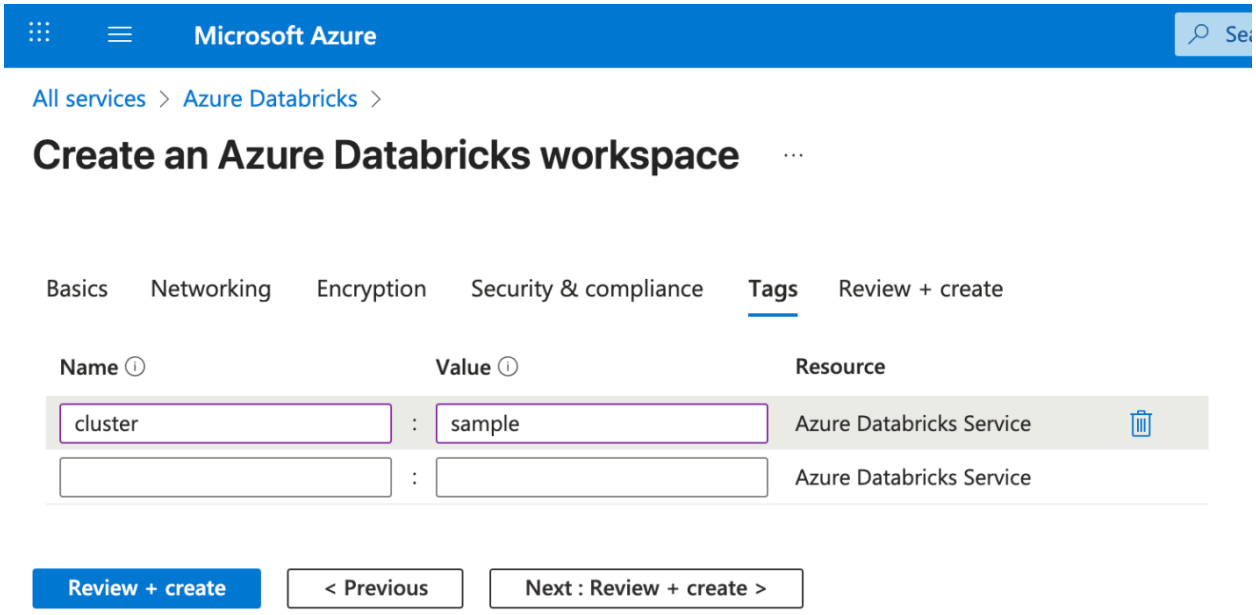
iv . Select Pricing Tier according to your usage

v . Enter a Managed Resource Group name (you can prefix mrg- on your workspace name)

vi . Click Tags tab



vii . Enter the Tags Details (E.g. cluster in Name and sample in Value
viii. Click on Review + Create



ix. Once Validation is Successful, click on Create and complete the creation of Databricks workspace

Create an Azure Databricks workspace ...

Validation Succeeded

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

Summary

Basics

Workspace name	sampleworkspace
Subscription	MML Learners
Resource group	rg-azuser4017_mml.local-8wYaW
Region	South India
Pricing Tier	standard
Managed Resource Group name	mrg-sampleworkspace

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

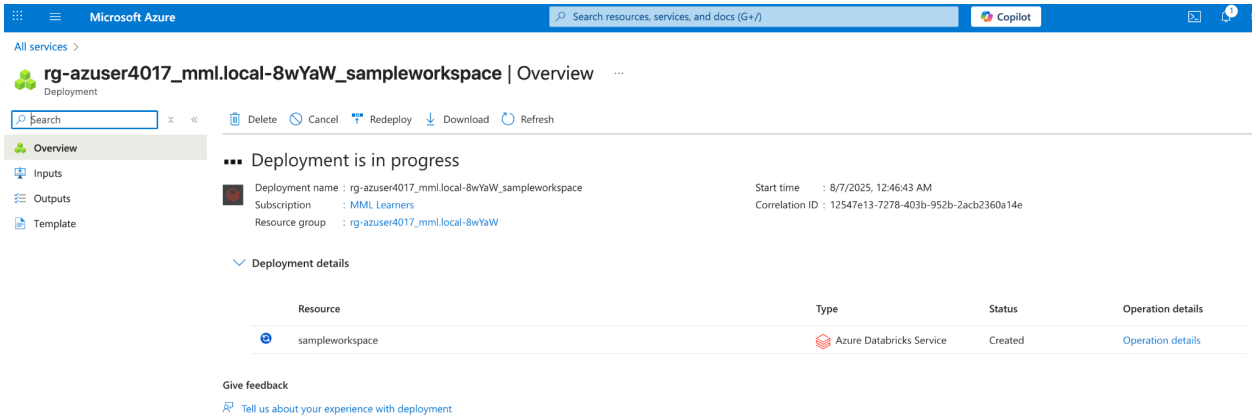
Enable Infrastructure Encryption	No
Enable CMK for Managed Disks	No
Enable CMK for Managed Services	No

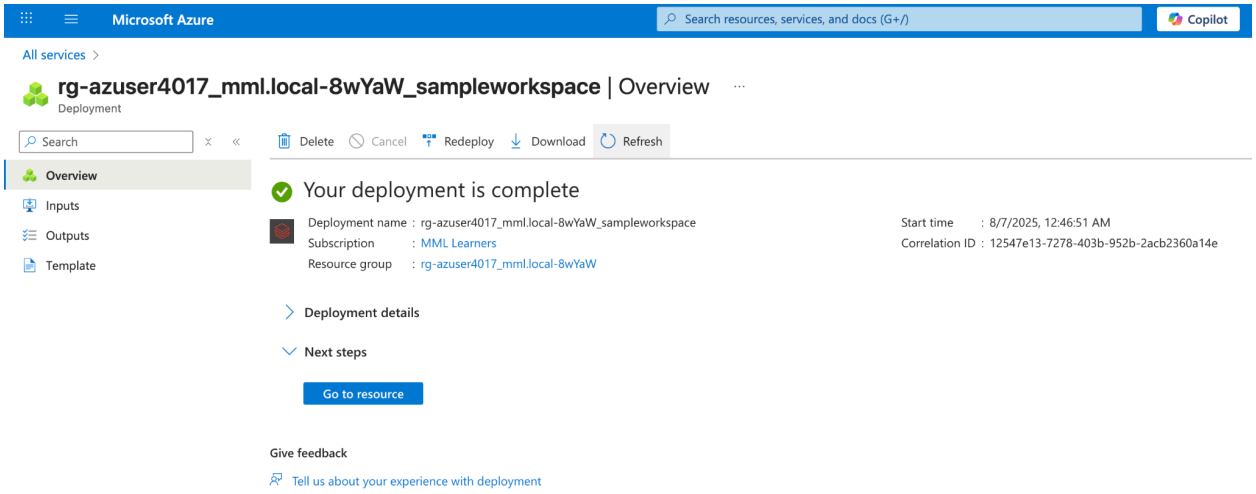
Security & compliance

Compliance Security Profile	No
Compliance Standards	
Enhanced Security Monitoring	No
Automatic Cluster Update	No

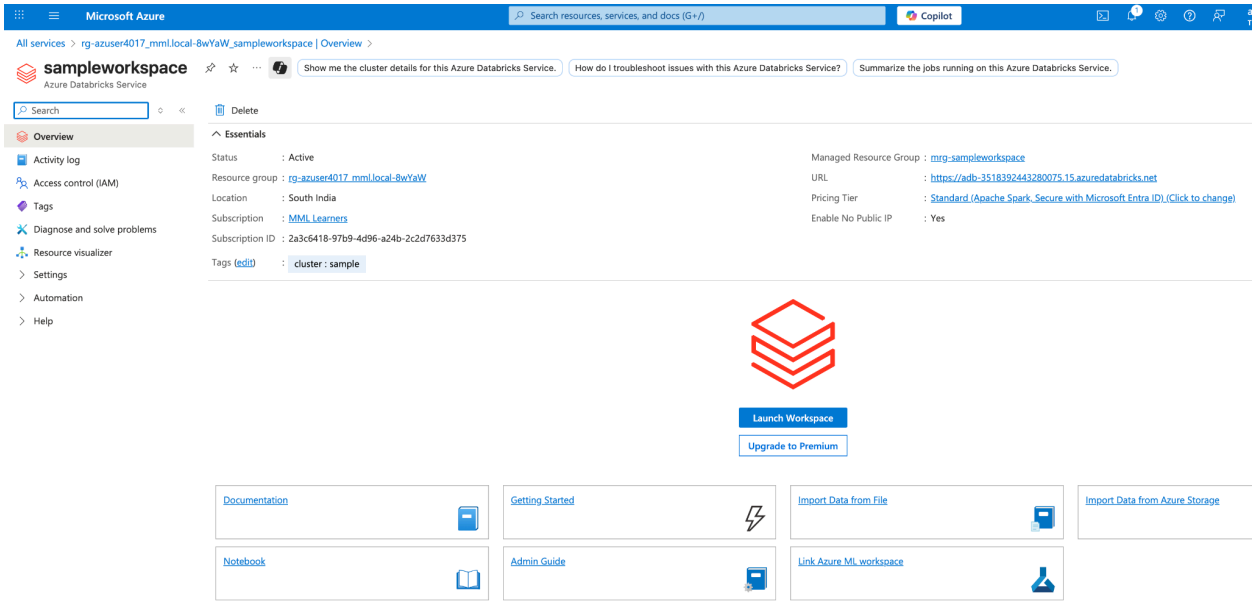
Create < Previous Download a template for automation

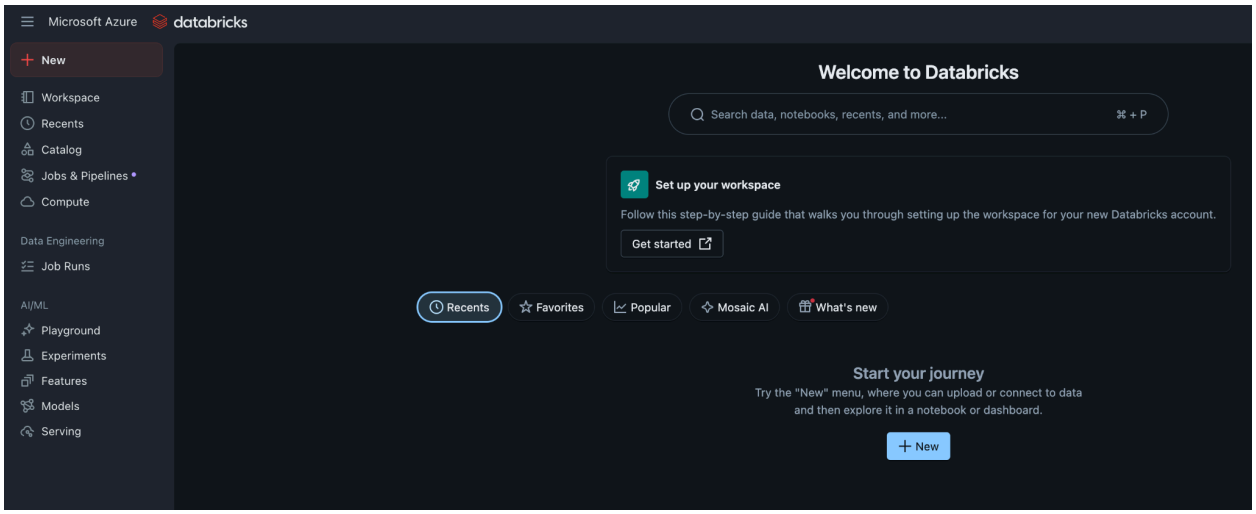
Wait for the Deployment to be successful





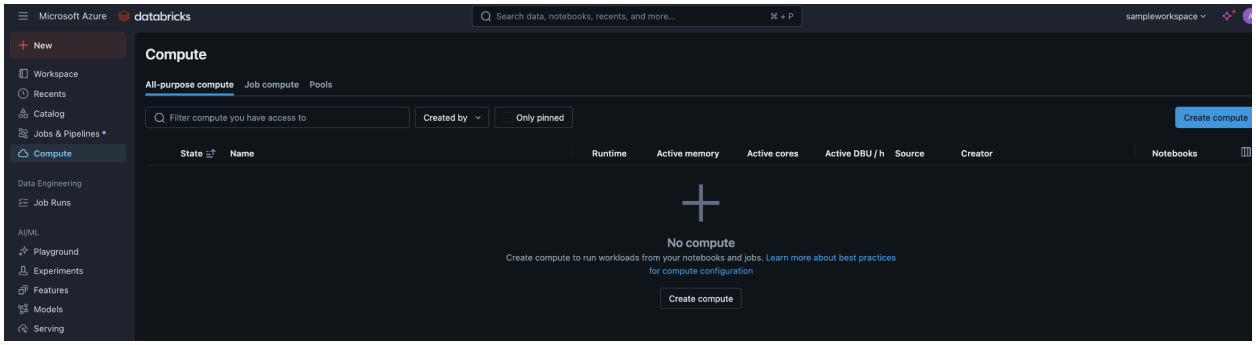
Once Deployment is successful, click on Launch and launch Databricks workspace.



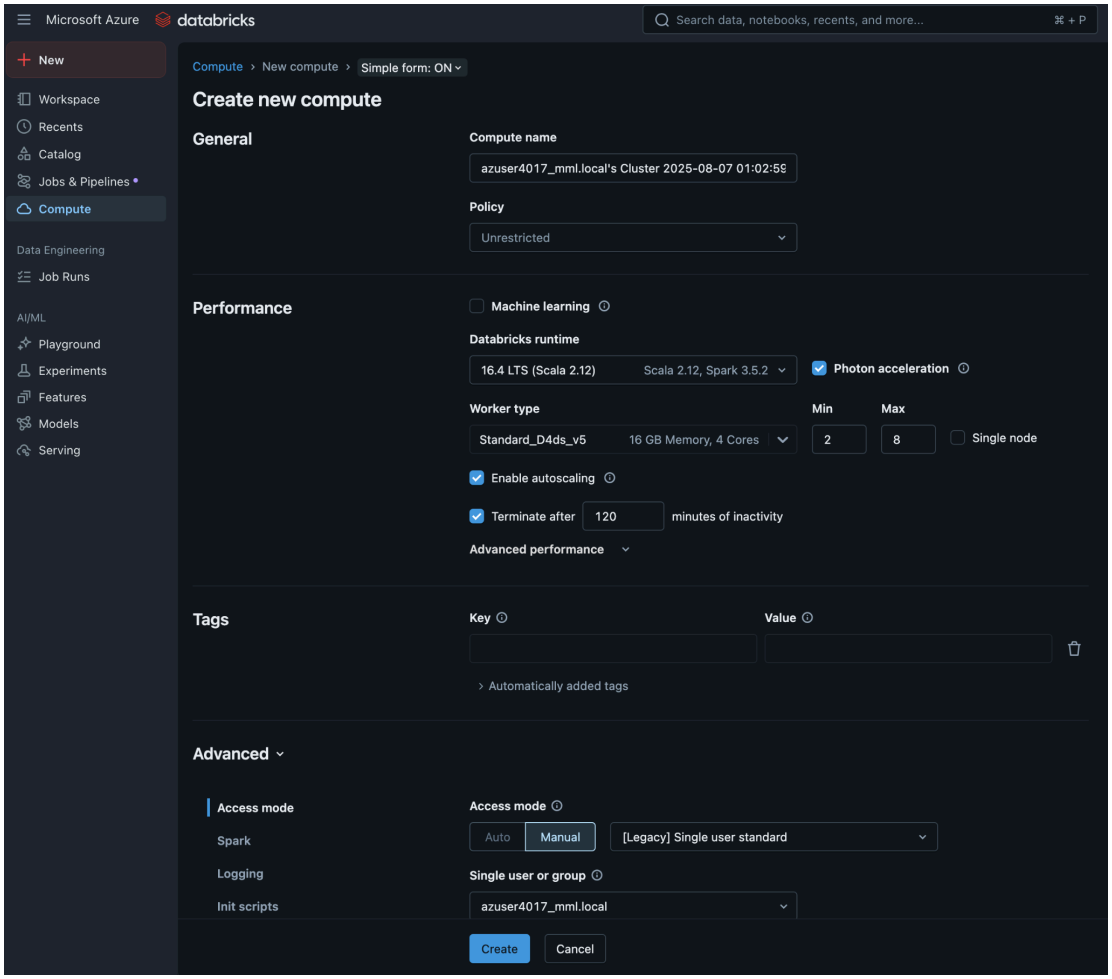


How to create new Compute in Databricks:

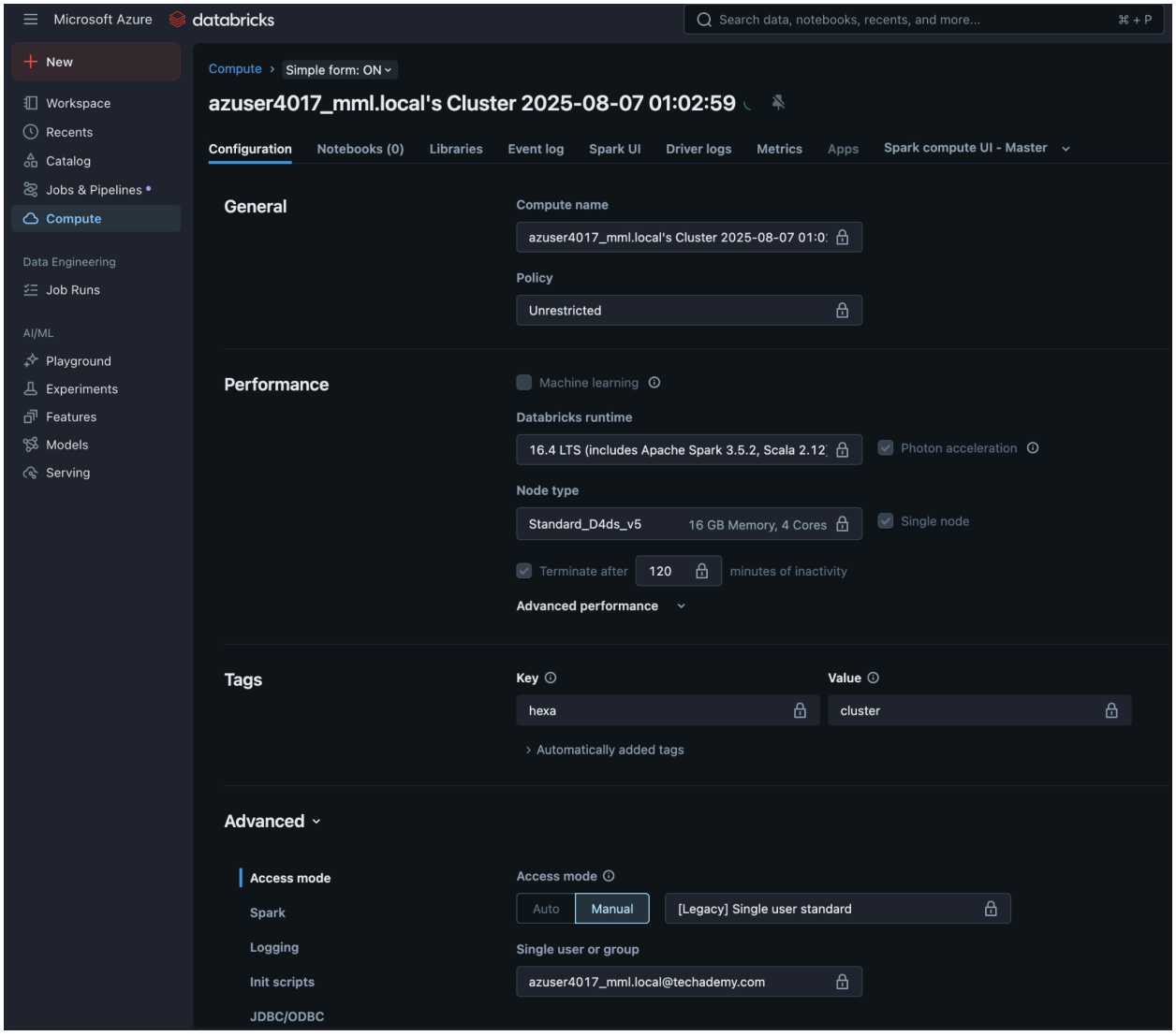
- Click on Compute on the side bar and navigate to it.
- Select +New option to create a new Compute



- Here check the Single node checkbox in the form
- add the previously entered Tag details while creating the workspace



- After filling all the details, click on Create and create a new Compute



- The compute is created, now we can start working on notebook and execute code on Azure Databricks.