

# Azure Databricks Workspace Deployment Documentation

## Objective:

To deploy a secure Azure Databricks workspace for big data and analytics using secure cluster connectivity.

## Deployment Steps

### Step 1: Log in to Azure Portal

- URL: <https://portal.azure.com>
- Sign in using your Azure account.

### Step 2: Create Databricks Workspace

1. Click Create a resource
2. Search for Azure Databricks
3. Click Create

## Configure Basics

Field	Value
Workspace name	hexadatabrickwp
Subscription	MML Learners
Resource Group	rg-azuser4034_mml.local-CSDKy
Location	East US
Pricing Tier	Standard or Trial or Premium

# Configure Networking

Option	Value
Deploy with Secure Cluster Connectivity (No Public IP)	Yes
Deploy in Your Own Virtual Network (VNet Injection)	No

Basics

Networking

Encryption

Security & compliance

Tags

Review + create

Project Details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

MML Learners

Resource group \*

rg-azuser4023\_mml.local-5C4BL

Create new

Instance Details

Workspace name \*

hexadatabrickwp

Region \*

East US

Pricing Tier \*

Premium (+ Role-based access controls)

Managed Resource Group name

hexacluster

Review + create

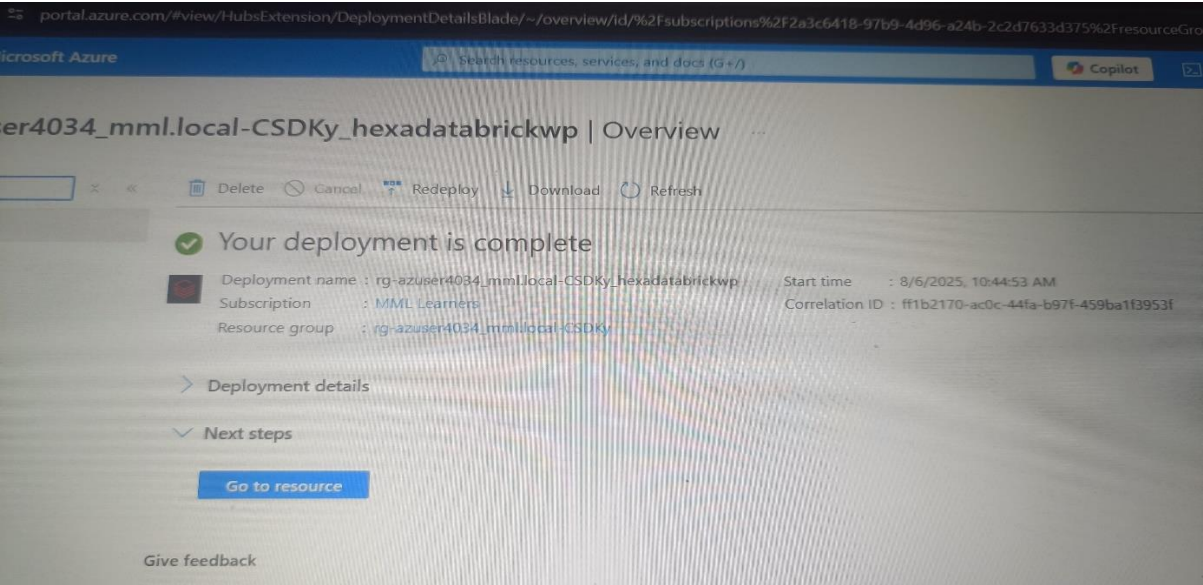
< Previous

Next : Networking >

teams.microsoft.com is sharing your screen. Stop sharing

Click on Review + create

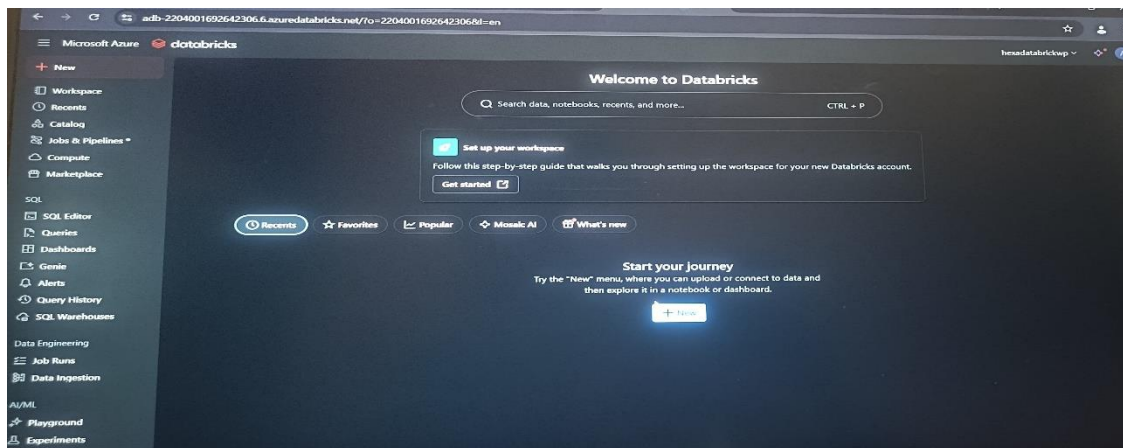
## Deployment Output



## Post-Deployment Workspace Configuration

### Access the Workspace

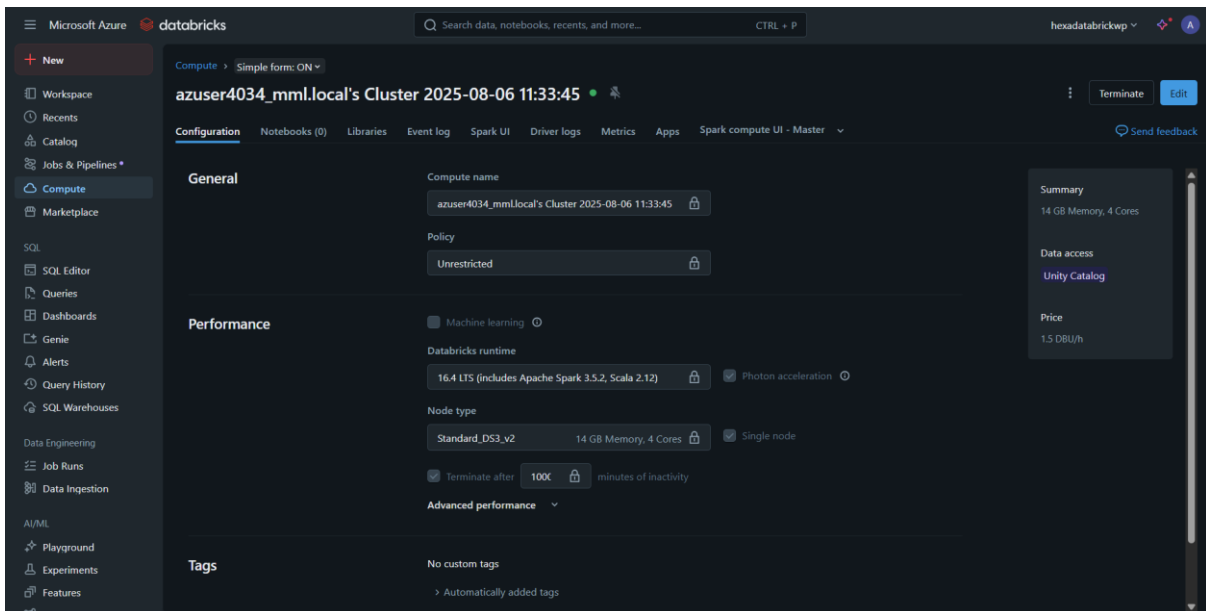
- Go to Resource Group: rg-azuser4034\_mml.local-CSDKy
- Select workspace: hexadatabrickwp
- Click **Launch Workspace**



- Click on compute

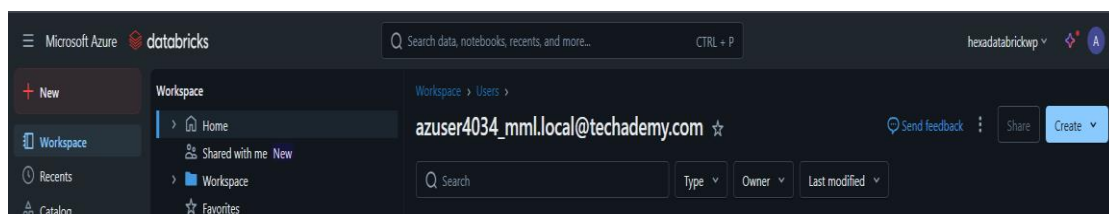
### Create a Cluster

Setting	Value
Cluster Name	cluster1
Cluster Mode	Single Node
Databricks Runtime Version	Latest LTS (e.g., 12.2 LTS)
Worker Type	Standard_DS3_v2
Min Workers	1
Max Workers	2
Autopilot Options	Auto termination (30 mins)



## Create a Notebook

- Go to **Workspace > Users > [Your Name]**
- Click **Create → Notebook**
- Name: test\_notebook
- Language: Python
- Click **Create**



## Conclusion

Azure Databricks workspace was successfully deployed and configured with secure cluster connectivity. A test cluster and notebook were created. The workspace is now ready for data processing, analysis, and machine learning workflows.