

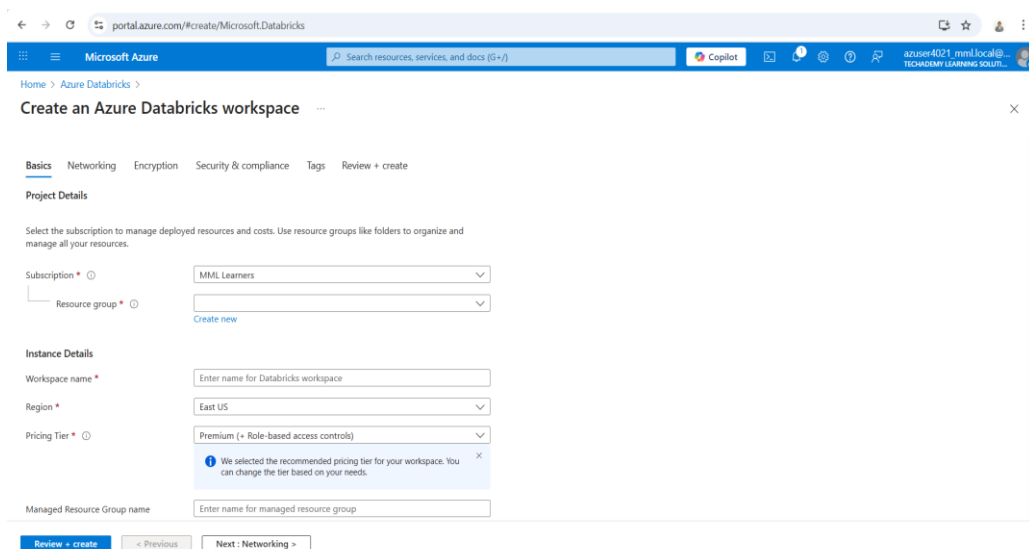
CREATING AN AZURE DATABRICKS WORKSPACE

1. Sign in to Azure Portal

- Go to: <https://portal.azure.com>
- Use your credentials to log in.

2. Create a Resource Group

- Go to “Resource groups” → + Create
- Name it (e.g., hexacluster)
- Select a region (e.g., East US, Central India)
- Click Review + Create → Create



The screenshot shows the 'Create an Azure Databricks workspace' page in the Azure Portal. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there are tabs for 'Basics', 'Networking', 'Encryption', 'Security & compliance', 'Tags', and 'Review + create'. The 'Basics' tab is selected. Under 'Project Details', there are dropdown menus for 'Subscription' (set to 'MMML Learners') and 'Resource group' (with a 'Create new' link). Under 'Instance Details', there are input fields for 'Workspace name' (placeholder: 'Enter name for Databricks workspace'), 'Region' (set to 'East US'), 'Pricing Tier' (set to 'Premium (+ Role-based access controls)' with a tooltip indicating it's the recommended tier), and 'Managed Resource Group name' (placeholder: 'Enter name for managed resource group'). At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next : Networking >'.

3. Create Azure Databricks Workspace

- Go to “Create a resource” → Search for Databricks
- Click on Azure Databricks → Create

Fill in the following:

- Subscription: Choose your subscription (premium / standard)
- Resource Group: Select the one you created
- Workspace Name: HexaDataabricksWP
- Region: Choose your region (ex: East US)

- Pricing Tier: Choose Standard or Premium (Premium for Unity Catalog, access control, etc.)

This screenshot shows the 'Project Details' step of the 'Create an Azure Databricks workspace' wizard. The page includes a navigation bar with the Microsoft Azure logo and a search bar. The breadcrumb trail is 'Home > Azure Databricks >'. The main heading is 'Create an Azure Databricks workspace'. Below this, the 'Project Details' section instructs the user to select a subscription and resource group. The 'Subscription' dropdown is set to 'MML Learners' and the 'Resource group' dropdown is set to 'rg-azuser4021_mml-local-fNgE'. The 'Instance Details' section includes fields for 'Workspace name' (HexaDatabricksWP), 'Region' (East US), and 'Pricing Tier' (Premium (+ Role-based access controls)). A notification bubble indicates that the recommended pricing tier has been selected. The 'Managed Resource Group name' field is set to 'HexaCluster'. At the bottom, there are three buttons: 'Review + create', '< Previous', and 'Next : Networking >'.

This screenshot shows the 'Networking' step of the 'Create an Azure Databricks workspace' wizard. The page includes a navigation bar with the Microsoft Azure logo and a search bar. The breadcrumb trail is 'Home > Azure Databricks >'. The main heading is 'Create an Azure Databricks workspace'. Below this, the 'Networking' section has tabs for 'Basics', 'Networking', 'Encryption', 'Security & compliance', 'Tags', and 'Review + create'. The 'Networking' tab is active. It contains two radio button options: 'Deploy Azure Databricks workspace with Secure Cluster Connectivity (No Public IP)' (selected) and 'Deploy Azure Databricks workspace in your own Virtual Network (VNet)'. At the bottom, there are three buttons: 'Review + create', '< Previous', and 'Next : Encryption >'.

Click on next Encryption

This screenshot shows the 'Encryption' step of the 'Create an Azure Databricks workspace' wizard. The page includes a navigation bar with the Microsoft Azure logo and a search bar. The breadcrumb trail is 'Home > Azure Databricks >'. The main heading is 'Create an Azure Databricks workspace'. Below this, the 'Encryption' section has tabs for 'Basics', 'Networking', 'Encryption', 'Security & compliance', 'Tags', and 'Review + create'. The 'Encryption' tab is active. It contains a 'Data Encryption' section with a description and two checkboxes: 'Managed Disks' and 'Managed Services'. Both checkboxes are unchecked. Below this is a 'Double encryption for DBFS root' section with a description and a checkbox 'Enable Infrastructure Encryption', which is also unchecked. A warning message states: 'This feature cannot be changed after this workspace is created.' At the bottom, there are three buttons: 'Review + create', '< Previous', and 'Next : Security & compliance >'.

Click on next : Tags

Microsoft Azure

Search resources, services, and docs (G+I)

Home > Azure Databricks >

Create an Azure Databricks workspace

BasicsNetworkingEncryptionSecurity & complianceTagsReview + create

Enhanced Security & Compliance

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

Enable compliance security profile

This feature cannot be disabled once it is enabled.

Enable enhanced security monitoring

Enable automatic cluster update

Review + createPreviousNext : Tags >

Click Review + Create → then Create (Takes ~5–10 minutes)

Microsoft Azure

Search resources, services, and docs (G+I)

Home > Azure Databricks >

Create an Azure Databricks workspace

BasicsNetworkingEncryptionSecurity & complianceTagsReview + create

Name	Value	Resource
Cluster	Hexa	Azure Databricks Service
		Azure Databricks Service

Review + createPreviousNext : Review + create >

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 EncryptionNo
- Enable CMK for Managed DisksNo
- Enable CMK for Managed ServicesNo

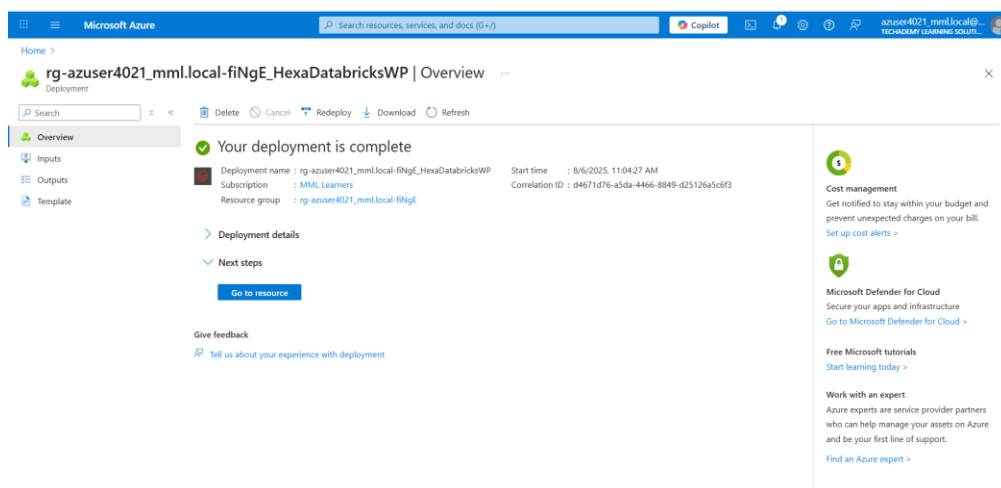
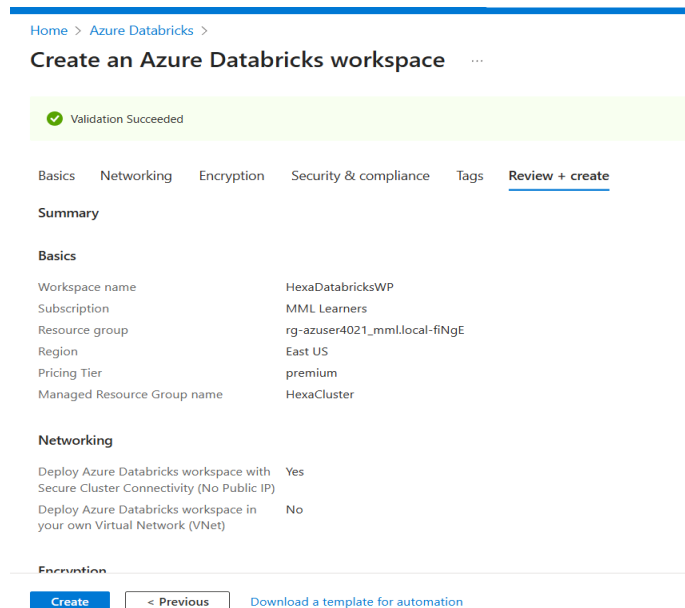
Security & compliance

- Compliance Security ProfileNo
- Compliance Standards
- Enhanced Security MonitoringNo
- Automatic Cluster UpdateNo

Create

< Previous

Download a template for automation



Workspace is now created.

Launch the Workspace

4. Go to the resource

- Once created, click “Go to Resource”
- Click “Launch Workspace” — this opens Azure Databricks UI

Create a Cluster in Azure Databricks

5. Create Cluster

- In the left menu, click on “Compute”
- Click Create Cluster

Fill in the following:

- Cluster Name: hexa
- Cluster Mode: Single Node or Standard (Start with Single Node for testing)
- Databricks Runtime Version: Choose latest LTS (e.g., 11.3 LTS or 12.2 LTS with Scala and Spark)
- Node Type: Choose a low-cost one like Standard_DS3_v2 or Standard_F4s
- Autoscaling: Optional — disable for single node
- Auto Termination: Set to 10–15 minutes to save cost

Microsoft Azure databricks

Search data, notebooks, recent, and more... CTRL + P

HexaDatabricksWP

+ New

Workspace

Recents

Catalog

Jobs & Pipelines

Compute

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SQL

Data Engineering

Job Runs

Data Ingestion

AI/ML

Playground

Experiments

Features

Models

Serving

Compute > New compute > Simple form: ON

Create new compute

Policy

Unrestricted

Performance

☐ Machine learning

Databricks runtime

16.4 LTS (Scala 2.12) Scala 2.12, Spark 3.5.2

☒ Photon acceleration

Node type

Standard_DS3_v2 14 GB Memory, 4 Cores

☒ Single node

☒ Terminate after 120 minutes of inactivity

Advanced performance

Tags

Key Value

> Automatically added tags

Create Cancel

Summary

14 GB Memory, 4 Cores

Data access

Unity Catalog

Price

1.5 DBU/h

Click Create Cluster (Takes ~3–5 minutes to start)

Cluster is now running.