

NAME: VATSAL MANVAR
ROLL NO: 19BCE120
SUBJECT: CLOUD COMPUTING
PRACTICAL: 10

Aim: Microsoft-AZURE[data science – AZURE webapp-Databricks]

1.Create an azure data bricks workspace

In this section, we create an Azure Databricks workspace using the Azure portal or the Azure CLI.

1. In the Azure portal, select Create a resource > Analytics > Azure Databricks.
2. Under Azure Databricks Service, provide the values to create a Databricks workspace and launch workspace.

Microsoft Azure

Search resources, services, and docs (G+)

Home > Create a resource >

Create an Azure Databricks workspace

Basics Networking Advanced 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 * Azure Pass - Sponsorship

Resource group * purvi

Create new

Instance Details

Workspace name * cloud_prac10

Region * East US

Pricing Tier * Standard (Apache Spark, Secure with Azure AD)

Review + create < Previous Next : Networking >

The image displays two screenshots of the Microsoft Azure portal interface.

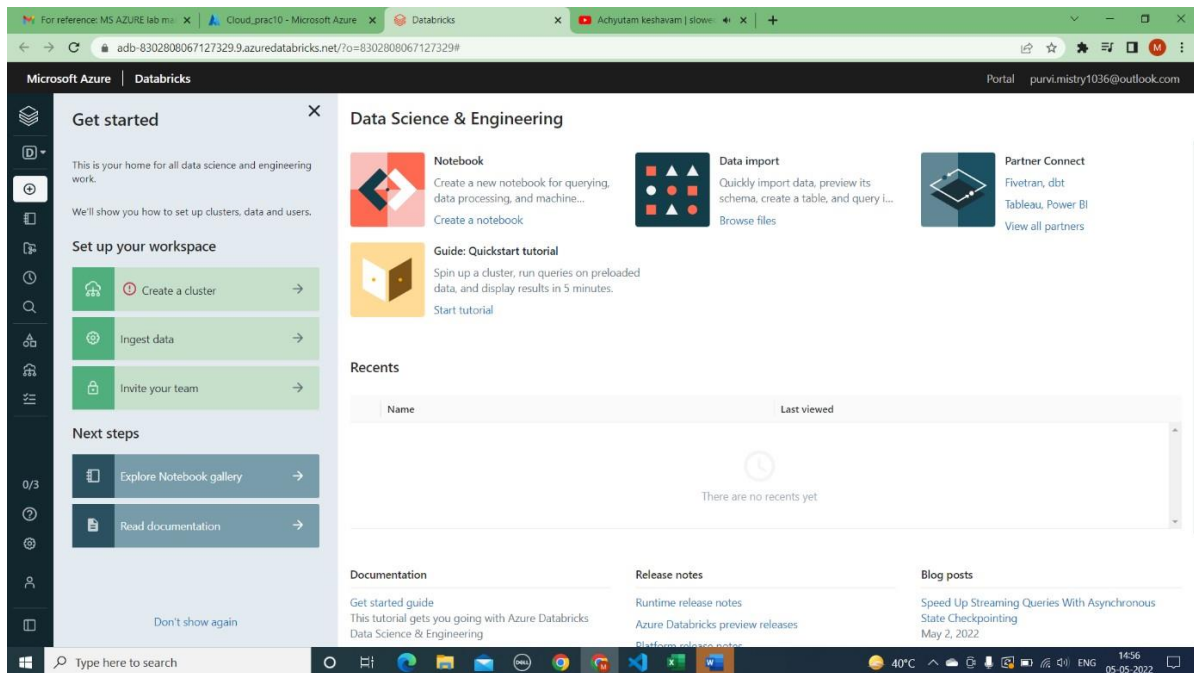
Top Screenshot: Deployment Overview

- Page Title:** purvi_Cloud_prac10 | Overview
- Deployment Status:** Your deployment is complete (indicated by a green checkmark).
- Deployment Details:**
 - Deployment name: purvi_Cloud_prac10
 - Subscription: Azure Pass - Sponsorship
 - Resource group: purvi
 - Start time: 5/5/2022, 2:50:48 PM
 - Correlation ID: ca27f4d2-848b-4614-ba07-43aefeb6a72b
- Next steps:** A button labeled "Go to resource" is visible.
- Side Panel:** Includes links for "Cost Management", "Microsoft Defender for Cloud", "Free Microsoft tutorials", and "Work with an expert".

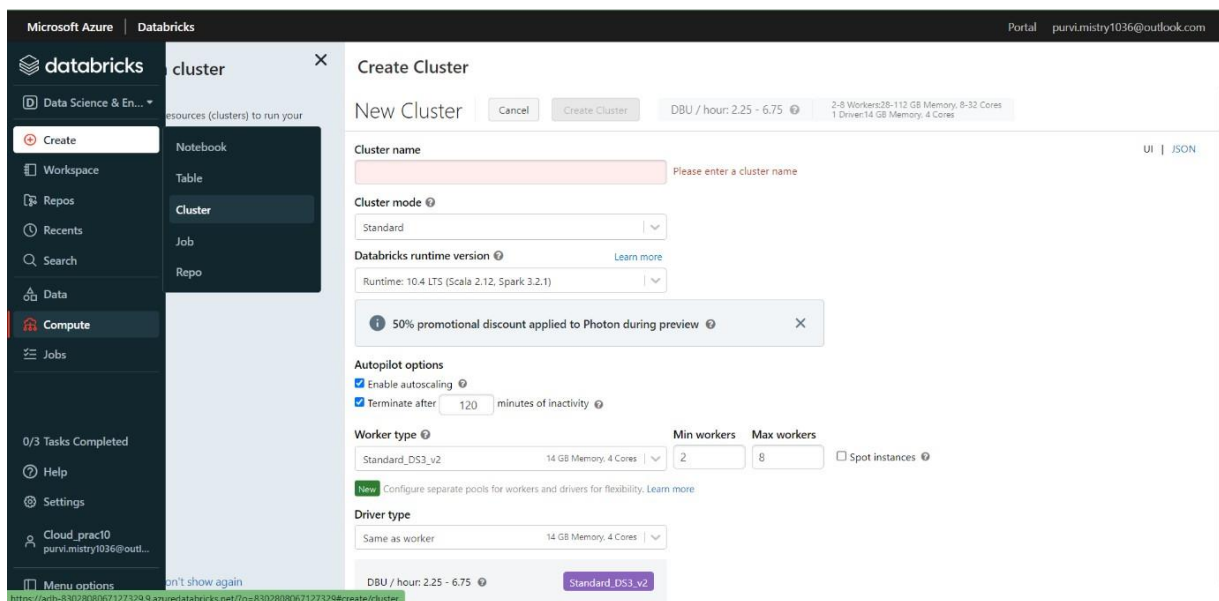
Bottom Screenshot: Azure Databricks Service Overview

- Page Title:** Cloud_prac10 | Overview
- Service Type:** Azure Databricks Service
- Location:** East US
- Pricing Tier:** standard
- Subscription:** Azure Pass - Sponsorship
- Subscription ID:** 1ece69f7-12ab-4ee9-85bb-3c4f4130464d
- Tags:** (edit) [Click here to add tags](#)
- Launch Workspace:** A prominent blue button.
- Resource Grid:**
 - Documentation
 - Getting Started
 - Import Data from File
 - Import Data from Azure Storage
 - Notebook
 - Admin Guide
 - Link Azure ML workspace

Preview of azure databricks service--->



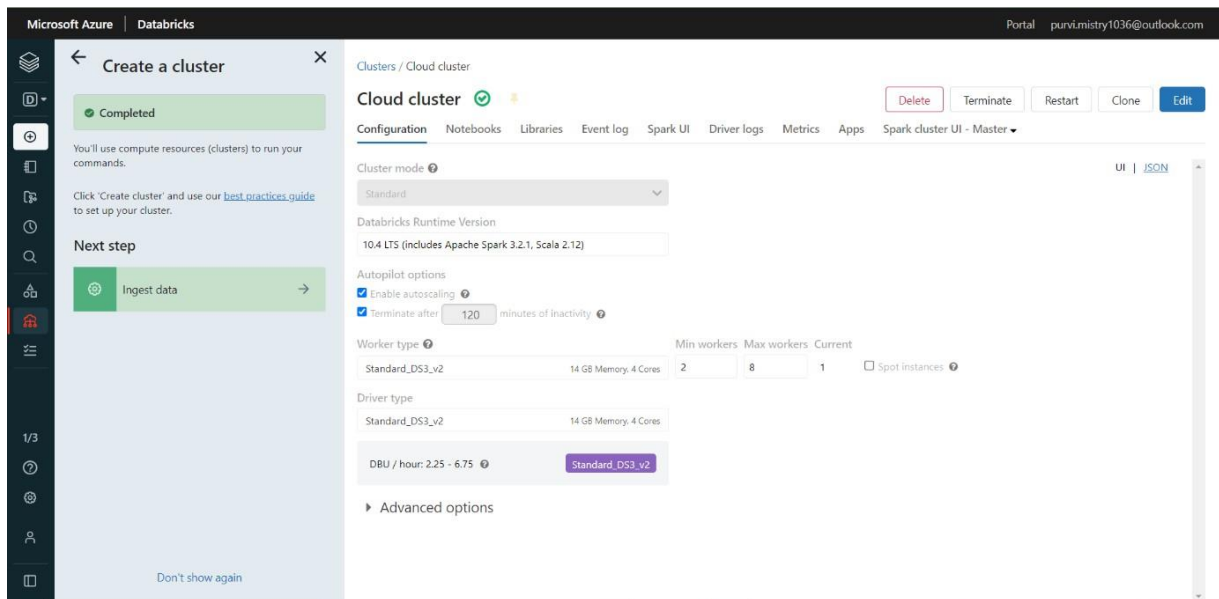
3. In the New cluster page, provide the values to create a cluster.



Accept all other default values other than the following:

- o Enter a name for the cluster.
- o For this article, create a cluster with 10.4 LTS runtime.
- o Make sure you select the Terminate after ___minutes of inactivity checkbox. Provide a duration (in minutes) to terminate the cluster, if the cluster is not being used.

Select **Create cluster**



Perform the following tasks to create a notebook in Databricks:

1. In the left pane, select Azure Databricks. From the Common Tasks, select New Notebook.
2. In the Create Notebook dialog box, enter a name, select Python as the language, and select the Spark cluster that you created earlier. Select Create.

Microsoft Azure | Databricks

Portal purvi.mistry1036@outlook.com

Create a cluster

Completed

You'll use compute resources (clusters) to run your commands.

Click 'Create cluster' and use our [best practices guide](#) to set up your cluster.

Next step

Ingest data →

Don't show again

Data Science & Engineering

Create Notebook

Name

Default Language Python

Cluster Cloud cluster

Cancel Create

Rechts

Name	Last viewed
There are no reents yet	

Documentation

Get started guide
This tutorial gets you going with Azure Databricks Data Science & Engineering

Release notes

Runtime release notes
Azure Databricks preview releases

Blog posts

Speed Up Streaming Queries With Asynchronous State Checkpointing
May 2, 2022

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Ingest data →

Don't show again

Data Science & Engineering

Create Notebook

Name firstNotebook

Default Language Python

Cluster Cloud cluster

Cancel Create

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Ingest data →

Don't show again

firstNotebook Python

Cloud cluster

File Edit View: Standard Run All Clear Comments Experiment

Cell 1

```
1 print("this is nirma university..")
```

Shift+Enter to run