

Creating an Azure Databricks Workspace and Configure a Databricks Cluster

Template Version: 2.0

Introduction

During this lab, you will learn how to configure Azure Databricks workspace and the cluster

Estimated Time

20 minutes

Objectives

At the end of this lab, you will be able to:

- Create a Azure Databricks workspace
- Create a databricks cluster
- Understand the various parameters and values during cluster creation

Table of Contents

Lab: Creating an Azure Databricks Workspace and Cluster

Exercise 1: Create a Workspace.

Exercise 2: Configuring Azure Databricks Cluster

Lab: Creating an Azure Databricks Workspace and Cluster

During this lab, you will learn how to create a workspace.

Creating workspace for Azure Databricks will not create a cluster.

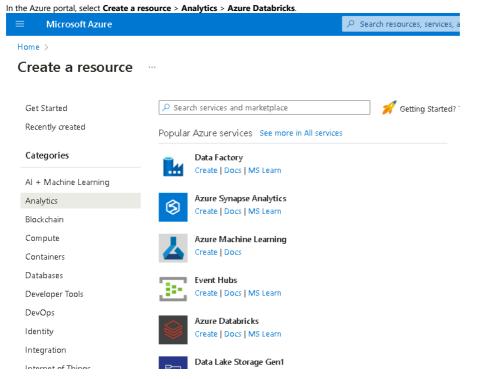
Note for instructor: You must discuss all the parameters\values with the students while creating a workspace and cluster

Exercise 1: Create a Workspace.

Tasks: Workspace Creation Using Azure Portal

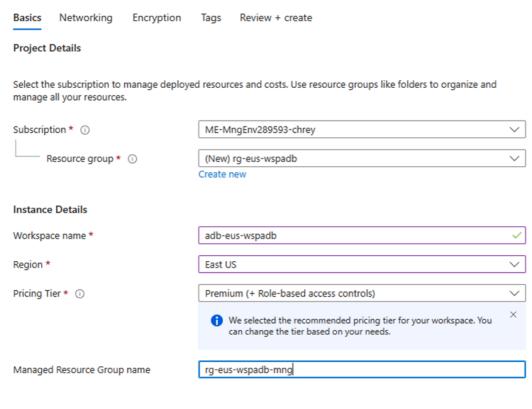
- 1. Log in to the Azure portal
 - Log in to the Azure portal.
- 2. In the Azure portal, select Create a resource > Analytics > Azure Databricks > Create

In this section, you create an Azure Databricks workspace using the Azure portal.



Under Azure Databricks Service, provide the values to create a Databricks workspace.

Create an Azure Databricks workspace



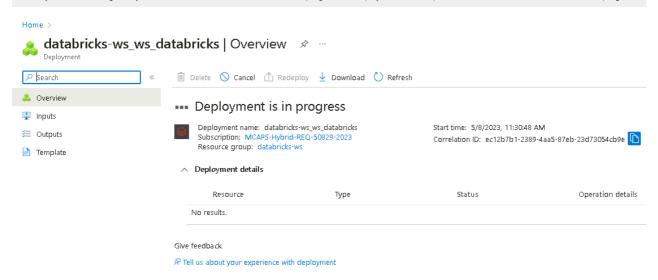
Provide the following values:

rioperty	Description
Subscription	From the drop-down, select your Azure subscription.
Resource group	Create a new resource group. You can use any name you want. A resource group is a container that holds related resources for an Azure solution.
Workspace name	Provide a name for your Databricks workspace



Click Review + Create and then Create to create the workspace.

The workspace creation takes a few minutes. During workspace creation, the portal displays the **Submitting deployment for Azure Databricks** tile on the right side. You may need to scroll right on your dashboard to see the tile. There is also a progress bar displayed near the top of the screen. You can watch either area for progress.



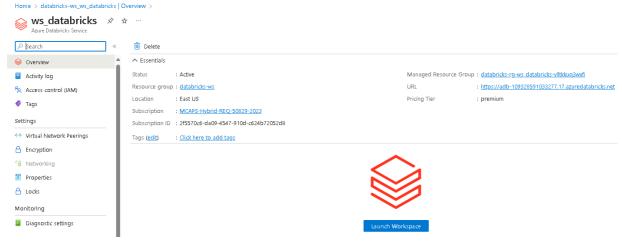
Exercise 1 has been completed

Exercise 2: Configuring Azure Databricks Cluster

This exercise shows how to create a cluster using databricks portal.

Tasks: Cluster Configuration

1. Once a resource is provisioned, go to the Databricks workspace resource that you created and then click Launch Workspace



You'll be signed in to the databricks portal automatically.



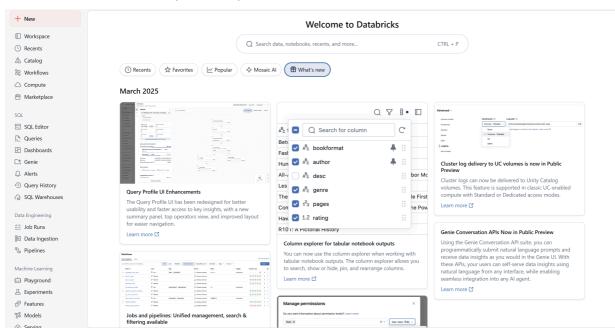
Sign In to Databricks

Sign in using Azure Active Directory Single Sign On.

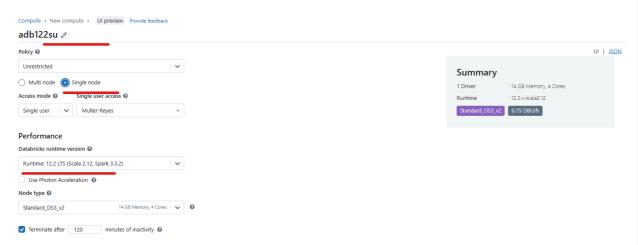
Signing you in

Contact your site administrator to request access.

2. You will be redirected to the Azure Databricks portal. From the portal, click + New > More > Cluster.



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



Accept all other default values other than the following:

- Enter a name for the cluster at the top by clicking on the pencil icon (e.g. Databricks Essential's Cluster).
- Select Single Node
- Accept the proposed runtime or follow the instructor instructions, if any.
- 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.
- 1. Select Create Cluster.

Once the cluster is running, you can attach notebooks to the cluster and run Spark jobs.

Exercise 2 has been completed