Quickstart: Run a Spark job on Azure Databricks using the Azure portal

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In this article

In this quickstart, you use the Azure portal to create an Azure Databricks workspace with an Apache Spark cluster. You run a job on the cluster and use custom charts to produce real-time reports from Boston safety data.

Prerequisites

- Azure subscription - create one for free

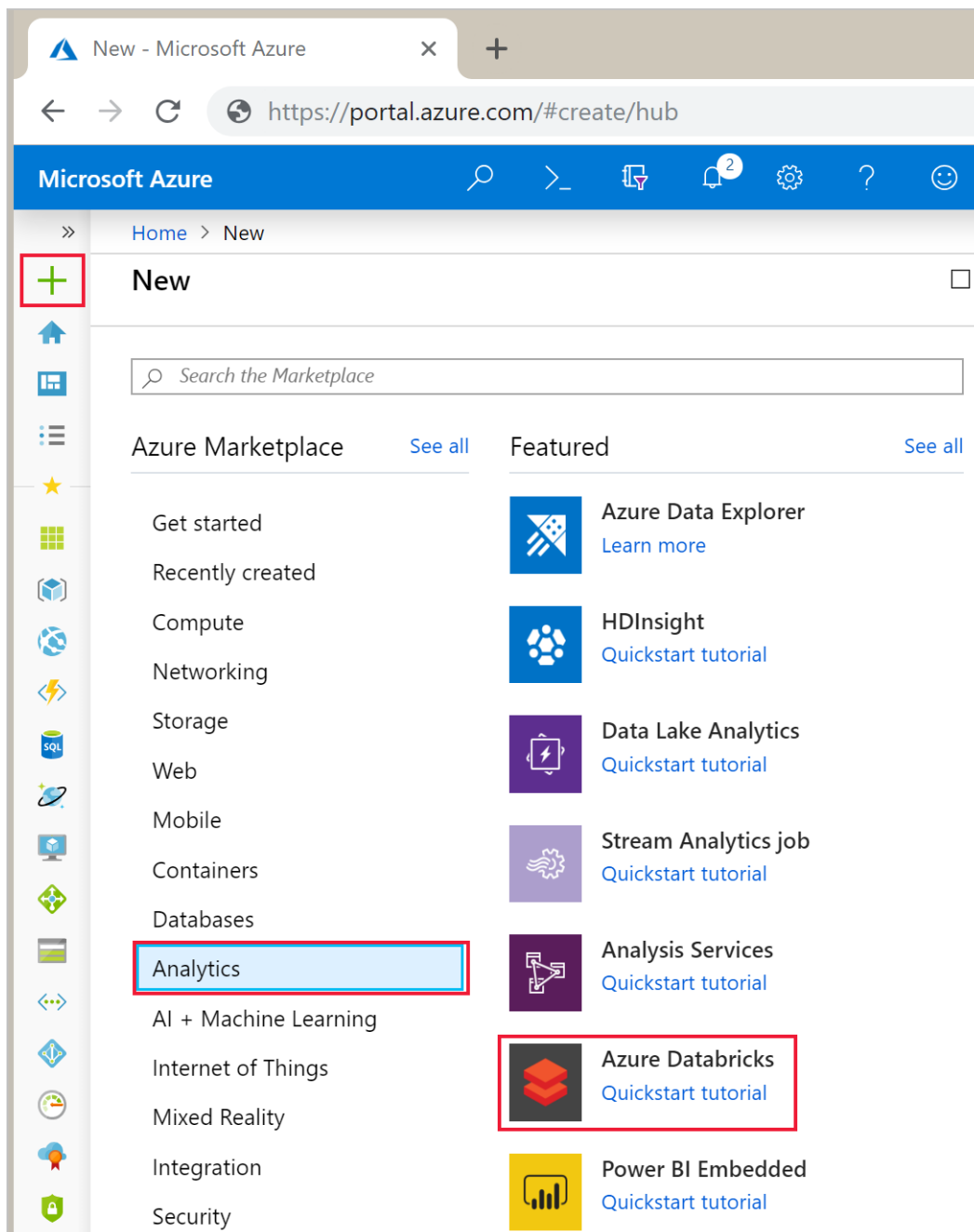## Sign in to the Azure portal

Sign in to the Azure portal.

> ⓘ **Note**
>
> This tutorial cannot be carried out using **Azure Free Trial Subscription**. If you have a free account, go to your profile and change your subscription to **pay-as-you-go**. For more information, see **Azure free account**. Then, remove the spending limit, and request a quota increase for vCPUs in your region. When you create your Azure Databricks workspace, you can select the **Trial (Premium - 14-Days Free DBUs)** pricing tier to give the workspace access to free Premium Azure Databricks DBUs for 14 days.

Create an Azure Databricks workspace

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

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.

Provide the following values:

Property	Description
Workspace name	Provide a name for your Databricks workspace
Subscription	From the drop-down, select your Azure subscription.
Resource group	Specify whether you want to create a new resource group or use an existing one. A resource group is a container that holds related resources for an Azure solution. For more information, see Azure Resource Group overview.
Location	Select **West US 2**. For other available regions, see Azure services available by region.
Pricing Tier	Choose between **Standard**, **Premium**, or **Trial**. For more information on these tiers, see Databricks pricing page.

Select **Pin to dashboard** and then click **Create**.

3. The workspace creation takes a few minutes. During workspace creation, you can view the deployment status in **Notifications**.

Create a Spark cluster in Databricks

> ⓘ **Note**
>
> To use a free account to create the Azure Databricks cluster, before creating the cluster, go to your profile and change your subscription to **pay-as-you-go**. For more information, see **Azure free account**.

1. In the Azure portal, go to the Databricks workspace that you created, and then click **Launch Workspace**.

2. You are redirected to the Azure Databricks portal. From the portal, click **New Cluster**.