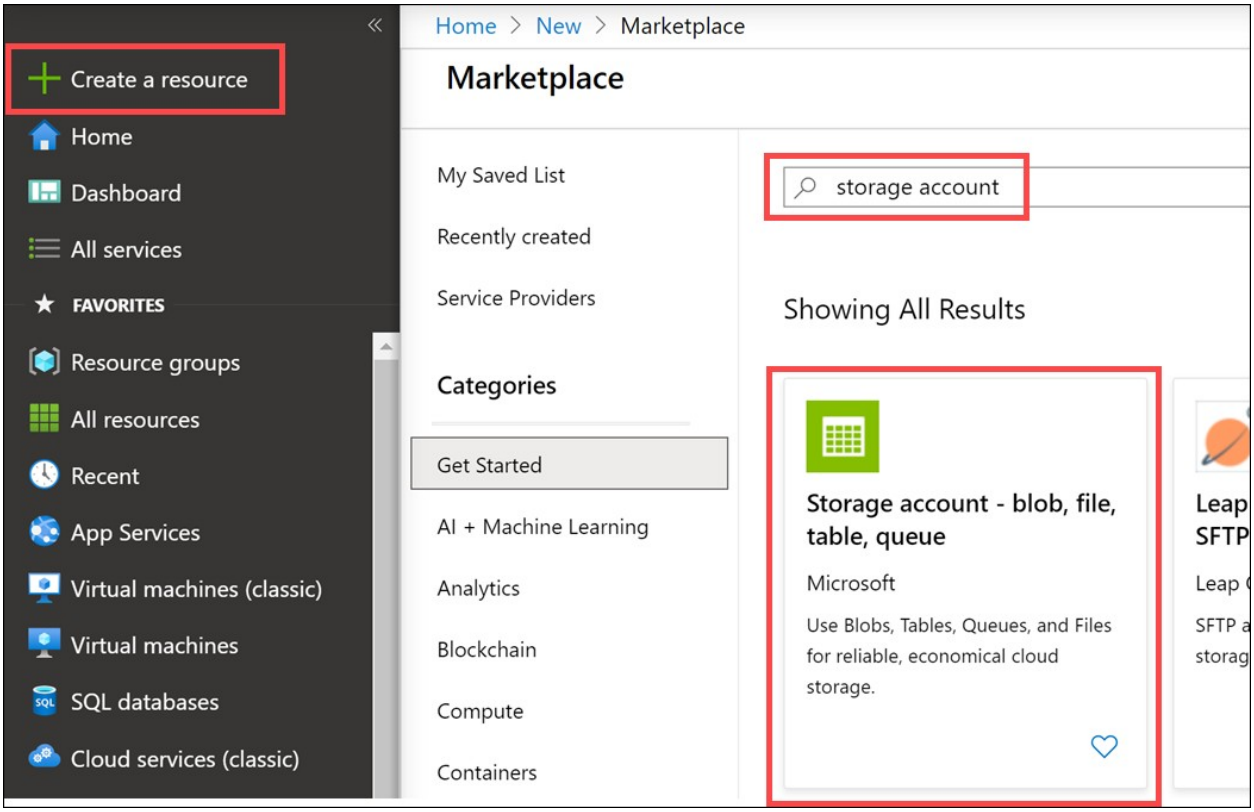
Create the required resources

Note: *In this reading you can see the steps involved in the process of creating the required resources.*

Create Azure Blob Storage account

1. In the Azure portal, select **Create a resource**, and enter **storage account** in the **Search the Marketplace** box,

2. Select **Storage account - blob, file, table, queue** in the results, then select **Create**.



Create storage account.

3. On the **Create storage account** pane, enter this information in the **Basics** tab:

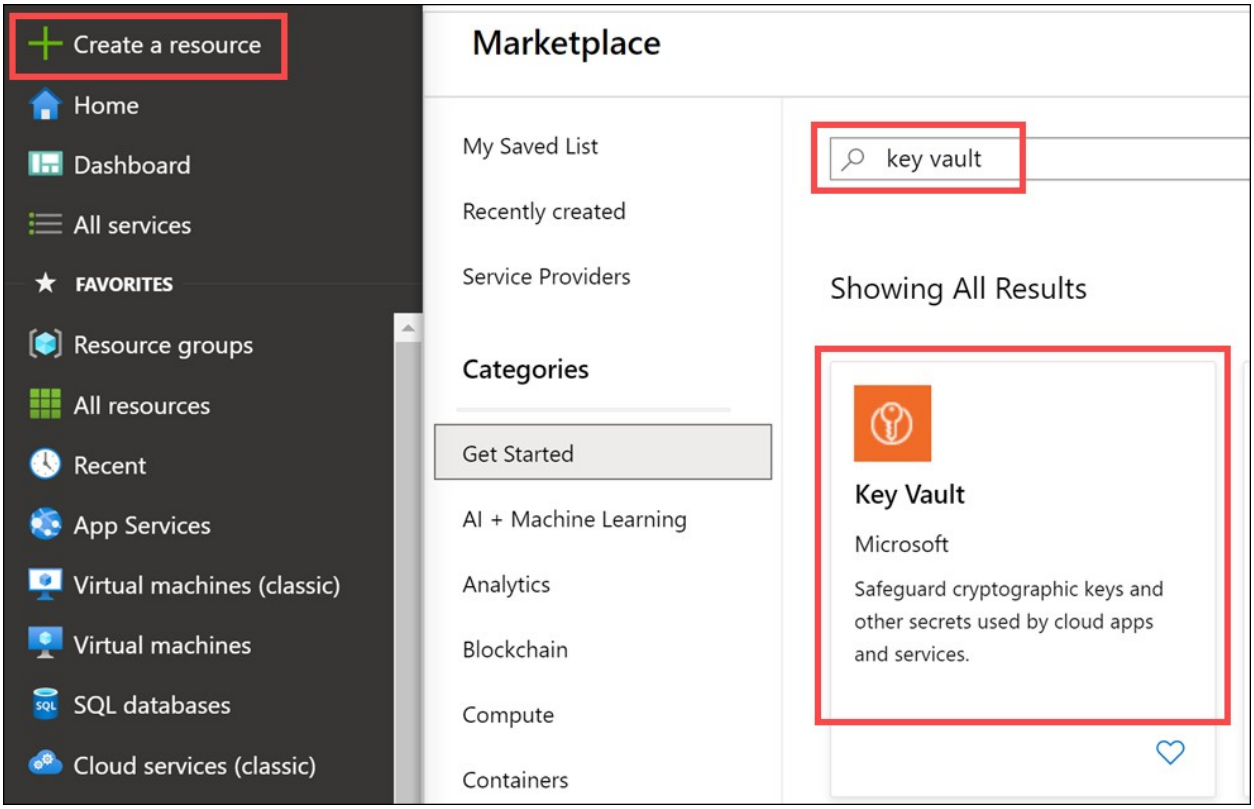
- **Subscription:** Select the subscription you're using for this module.
- **Resource group:** Select the resource group you're using for this module.
- **Storage account name:** Enter a unique name (Make sure you see a green check mark).
- **Region:** Select the same location as the other resources in this module.
- **Performance:** Select **Standard V2 (general purpose v2)**.
- **Redundancy:** Select **Locally-redundant storage (LRS)**.

4. Select **Review + create**, then select **Create**.

Create Azure Key Vault

1. In the Azure portal, select **Create a resource** and enter **key vault** in the **Search the Marketplace** box,

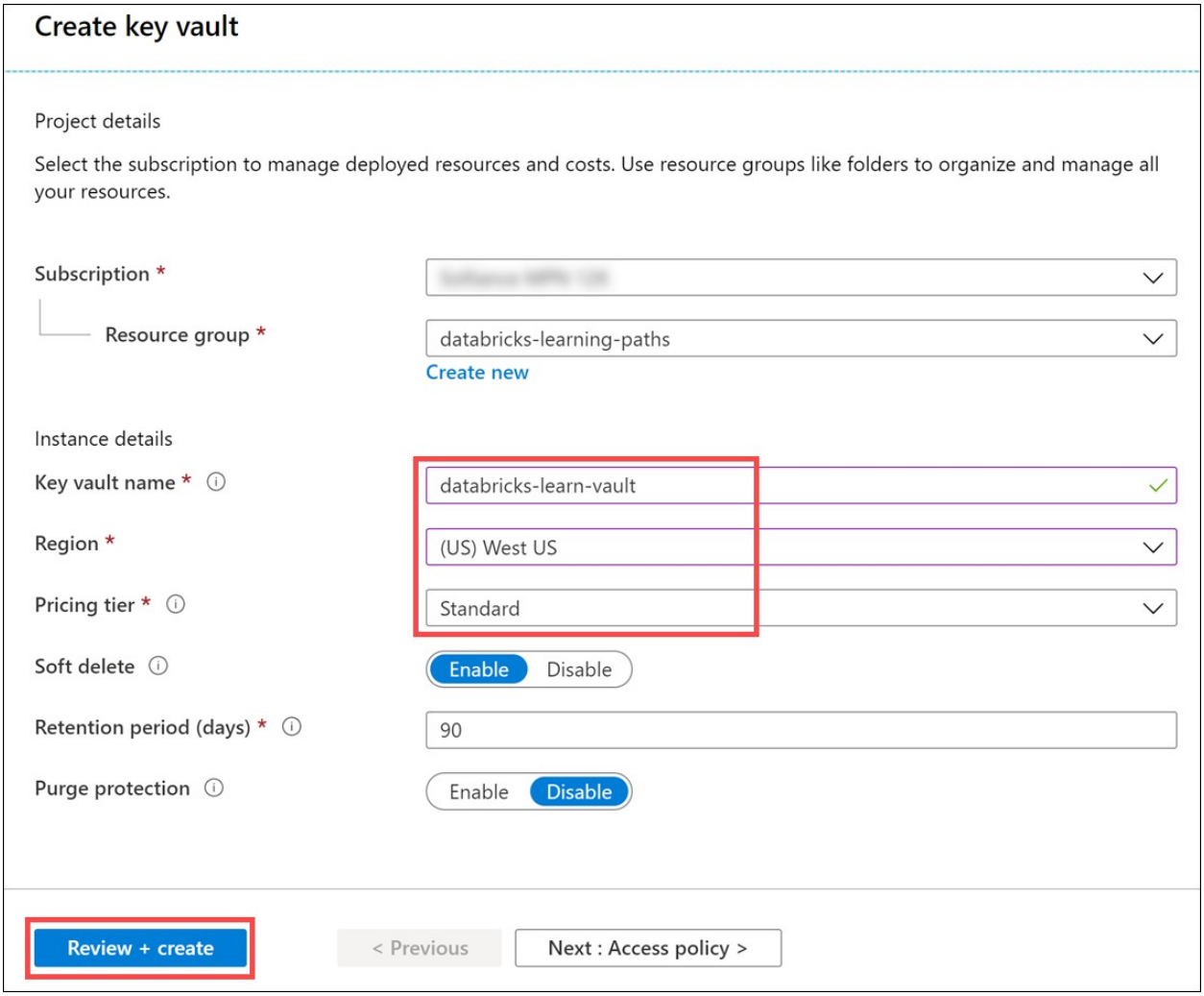
2. Select **Key Vault** in the results, and then select **Create**.



Create Key Vault.

3. On the **Create storage account** pane, enter the following information in the **Basics** tab:

- **Subscription:** Select the subscription you're using for this module.
- **Resource group:** Select the resource group you're using for this module.
- **Key vault name:** Enter a unique name (Make sure you see a green check mark).
- **Region:** Select the same location as the other resources in this module.
- **Pricing tier:** Select **Standard**.



The key vault basic form is shown.

4. Select **Review + create**, then select **Create**.

Deploy an Azure Databricks workspace

1. Open the Azure Resource Manager template in the Azure portal with the following link: Deploy Databricks from the Azure Resource Manager Template

2. Provide the required values to create your Azure Databricks workspace:

- **Subscription**: Choose the Azure Subscription in which to deploy the workspace.
- **Resource Group**: Leave at Create new and provide a name for the new resource group.
- **Location**: Select a location near you for deployment. For the list of regions supported by Azure Databricks, see Azure services available by region.
- **Workspace Name**: Provide a name for your workspace.
- **Pricing Tier**: Ensure `premium` is selected.

3. Accept the terms and conditions.

4. Select Purchase.

5. 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.

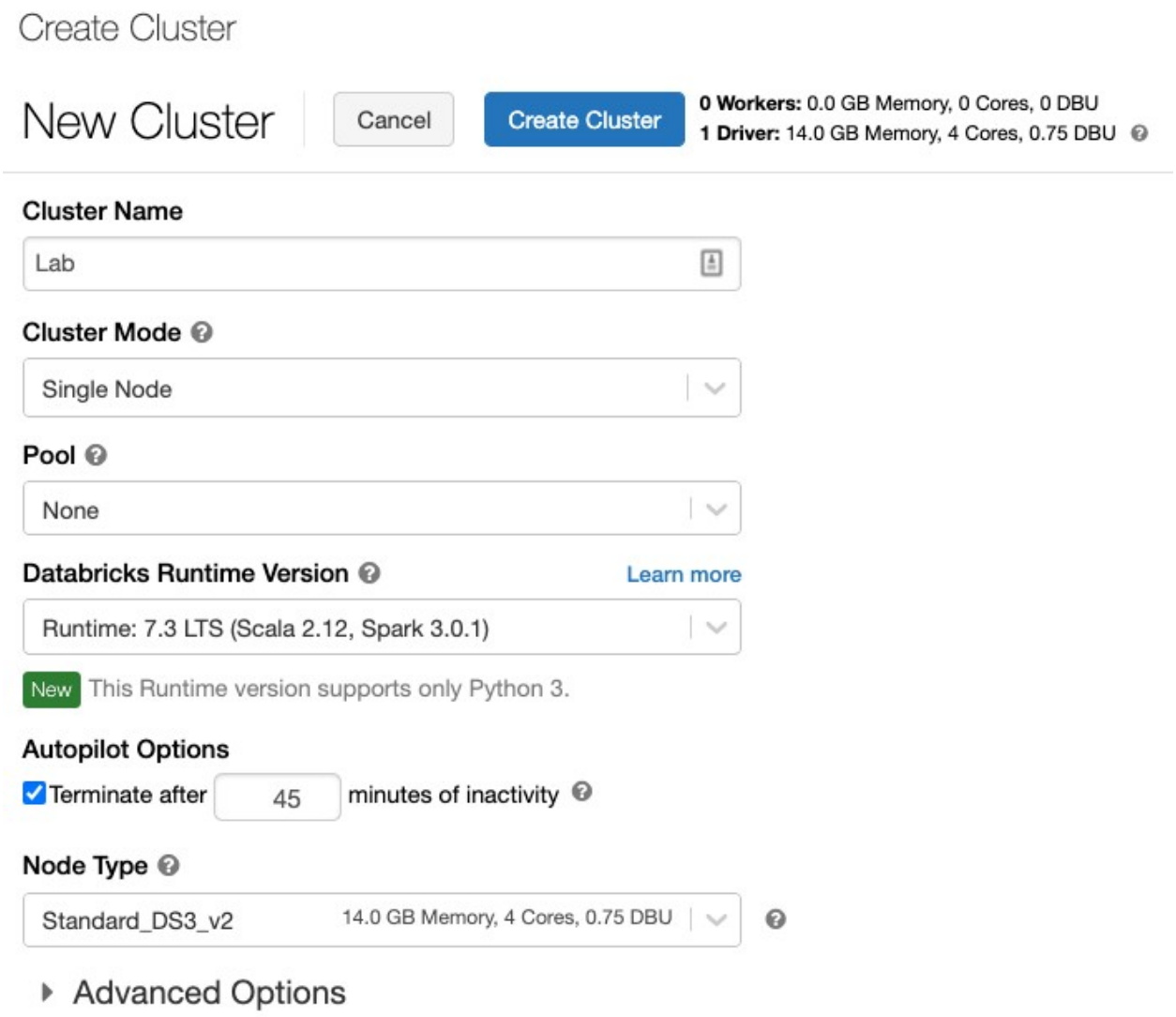
Create a cluster

1. When your Azure Databricks workspace creation is complete, select the link to go to the resource.

2. Select **Launch Workspace** to open your Databricks workspace in a new tab.

3. In the left-hand menu of your Databricks workspace, select **Clusters**.

4. Select **Create Cluster** to add a new cluster.



The create cluster page.

5. Enter a name for your cluster. Use your name or initials to easily differentiate your cluster from your coworkers.

6. Select the **Cluster Mode**: **Single Node**.

7. Select the **Databricks RuntimeVersion**: **Runtime: 7.3 LTS (Scala 2.12, Spark 3.0.1)**.

8. Under **Autopilot Options**, leave the box **checked** and in the text box enter `45`.

9. Select the **Node Type**: **Standard_DS3_v2**.

10. Select **Create Cluster**.