

3. Data Mining with Azure ML Studio

3.1 Getting Started with Azure Machine Learning Studio

In this section we will be familiarizing ourselves with Azure Machine Learning (“ML”) Studio. We will create a dedicated storage account for our experiment and a workspace within our account, learn how to access the workspace from the Azure Portal, and finally create our first experiment. In order to get started and begin your first exercise with Azure ML, you must sign up for a free trial. You can register at: <http://azure.microsoft.com/en-us/pricing/free-trial/>

3.1.1 Exercise: Creating an Azure Machine Learning Studio Workspace

Once you have a dedicated Azure storage account, you can create an Azure ML Studio workspace.

1. Create a new Azure ML Studio workspace by selecting:
+New > Data Services > Machine Learning > Quick Create (Figure: 3.1, 3.2) .



Figure 3.1: Create a new workspace

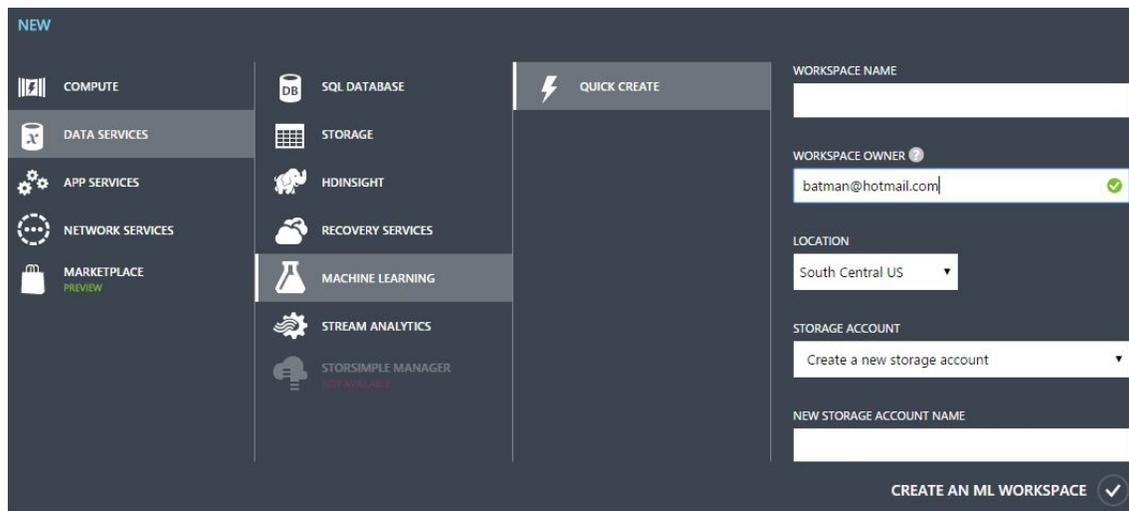


Figure 3.2: Create a new workspace

2. In the **Workspace Name** box, assign a globally unique name.
3. In the **Workspace Owner** box, input the administrative email for your Azure account, preferably a hotmail account.
4. In the **Storage Account** dropdown, select “Create a new storage account”.
5. In the **New Storage Account Name**, give your blob storage a globally unique name.

Click the check mark once the credentials have been populated to send off a workspace request to Azure. The workspace will take at least two minutes to setup. Accidentally deleting the blob storage associated with your Azure ML workspace will corrupt the workspace and render it unusable.

Tip You can invite others to collaborate in your workspace by adding them as users to the account under **Settings**. You can also copy and paste experiments across workspaces.

3.1.2 Exercise: Accessing your Azure Machine Learning Workspace

You may now access your Azure ML workspace.

1. Within the Azure Portal, select **Machine Learning** (Figure: 3.3).

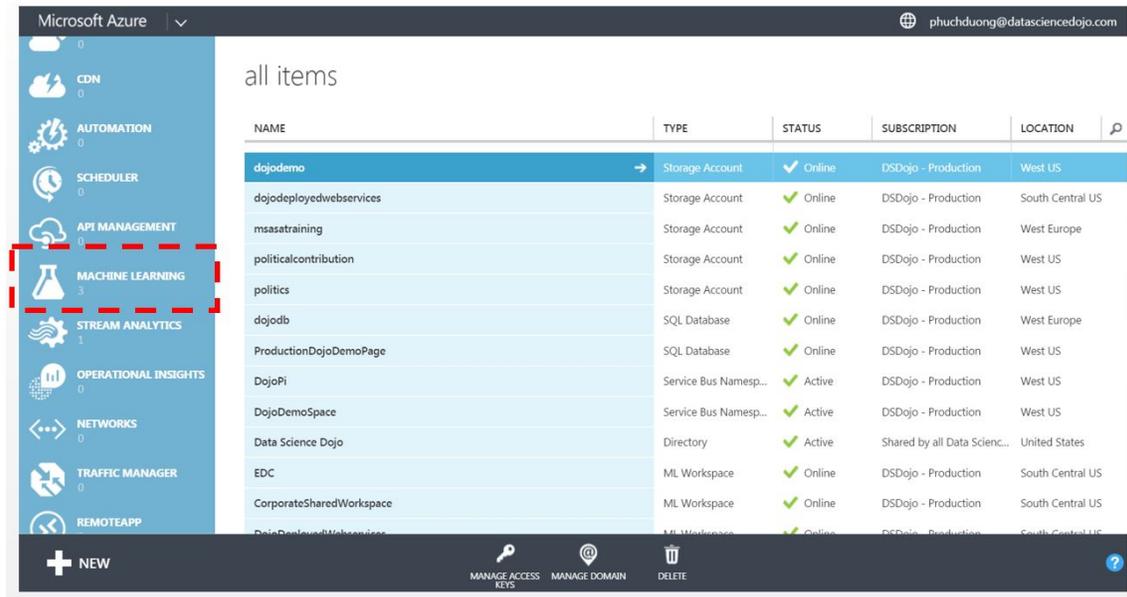


Figure 3.3: Access your machine learning workspace

2. Select the workspace that you just created in Exercise: Creating an Azure Machine Learning Studio Workspace.
3. Select “Access your Workspace” (Figure: 3.4) A new window will appear.

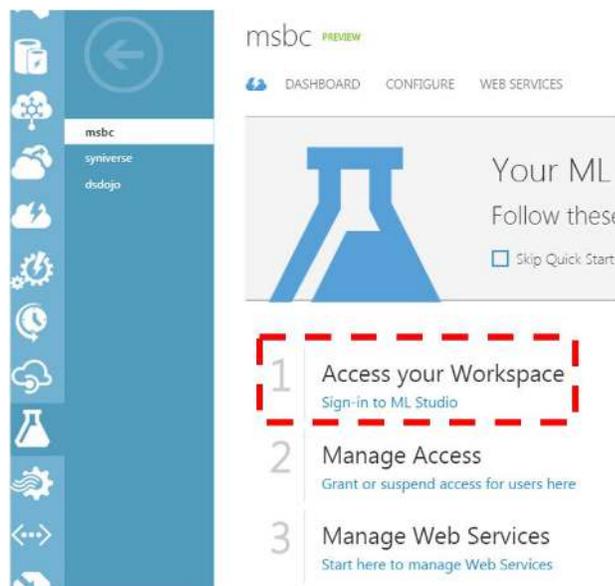


Figure 3.4: Access your workspace