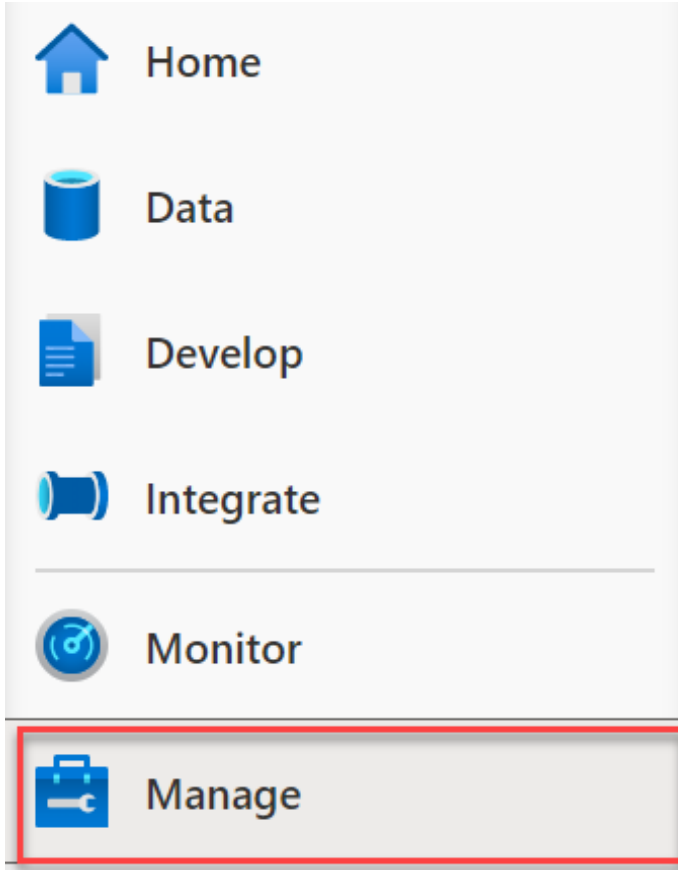


Machine Learning with Spark

Lab pre-requisite

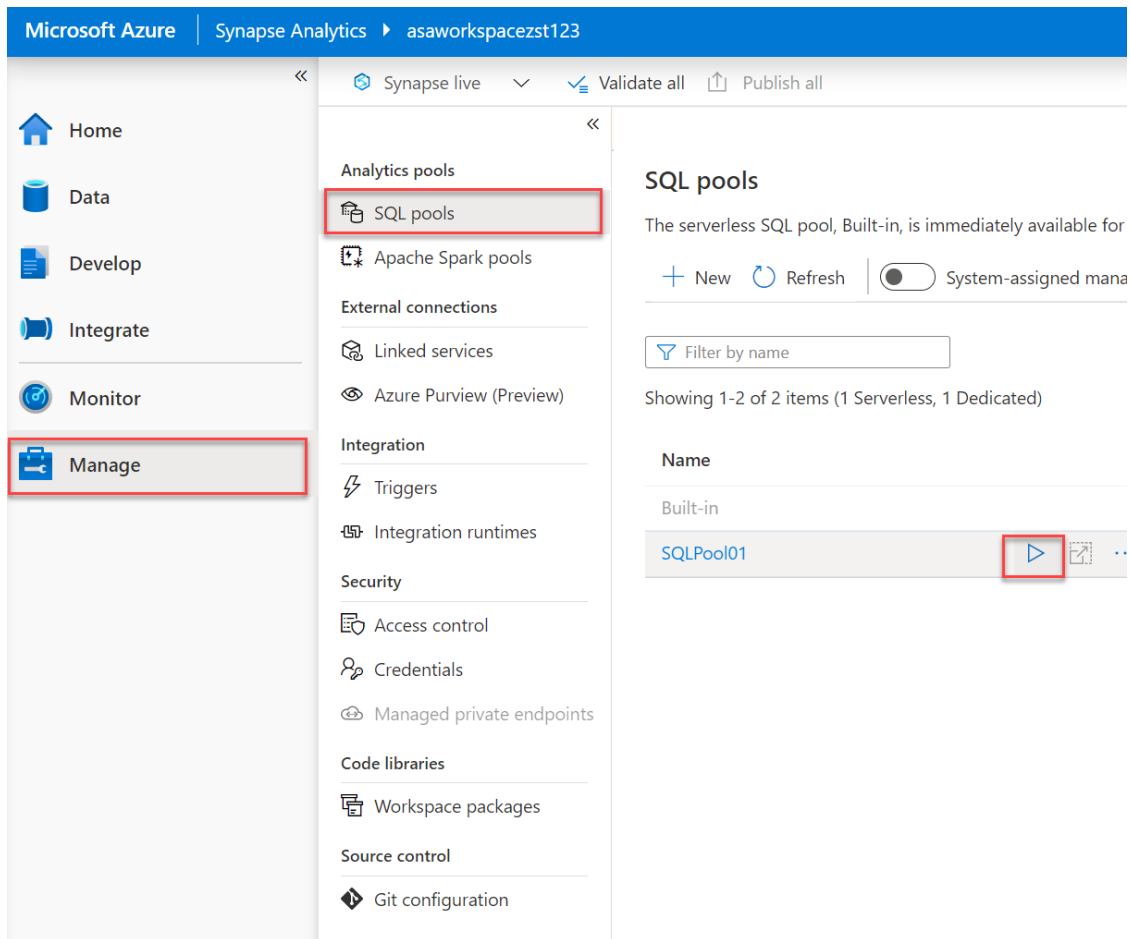
Start the SQL Pool in your lab environment.

1. Open the Synapse Studio workspace and navigate to the **Manage** hub.



The Manage menu item is highlighted.

2. From the center menu, select **SQL pools** from beneath the **Analytics pools** heading. Locate SQLPool01, and select the **Resume** button.



The Manage menu item is selected, with SQL pools selected from the center menu. The resume button is selected next to the SQLPool01 item.

Exercise 1 - Training and batch scoring with a recommender

In this exercise you will train a model to recommend the top 5 products to users.

Task 1 - Using the Spark ML ALS algorithm

In this task, you will train a recommender model using the ALS algorithm from Spark ML.

1. Open Synapse Analytics Studio, and then navigate to the Develop hub.
2. Under **Notebooks**, select the notebook called Lab 07 - Spark ML.
3. Read thru the notebook and execute the cells as instructed in the notebook. When you have finished in the notebook, you have completed this lab.