Implementing a Machine Learning Solution with Microsoft Azure Databricks

Azure Databricks is a cloud-scale platform for data analytics and machine learning. In this one-day course, you'll learn how to use Azure Databricks to explore, prepare, and model data; and integrate Databricks machine learning processes with Azure Machine Learning.

Duration: 1 days

Audience

This course is designed for data scientists with experience of Pythion who need to learn how to apply their data science and machine learning skills on Azure Databricks

Prerequisites

Before attending this course, you should have experience of using Python to work with data, and some knowledge of machine learning concepts. Before attending this course, complete the following learning path on Microsoft Learn:1613

- [Create machine learning models](#)

Objetives

- Provision an Azure Databricks workspace and cluster
- Use Azure Databricks to train a machine learning model
- Use MLflow to track experiments and manage machine learning models
- Integrate Azure Databricks with Azure Machine Learning

Topics

Module 1: Introduction to Azure Databricks

- Getting Started with Azure Databricks
- Working with Data in Azure Databricks

Module 2: Training and Evaluating Machine Learning Models

- Preparing Data for Machine Learning
- Training a Machine Learning Model

Module 3: Managing Experiments and Models

- Using MLflow to Track Experiments
- Managing Models

Module 4: Integrating Azure Databricks and Azure Machine Learning

- Tracking Experiments with Azure Machine Learning
- Deploying Models