Implementing a Machine Learning Solution with Microsoft Azure Databricks

Module 1: Introduction to Azure Databricks

In this module, you will learn how to provision an Azure Databricks workspace and cluster, and use them to work with data.

Lessons

- Getting Started with Azure Databricks

- Working with Data in Azure Databricks

Lab : Getting Started with Azure Databricks

Lab : Working with Data in Azure Databricks

After completing this module, you will be able to:

- Provision an Azure Databricks workspace and cluster

- Use Azure Databricks to work with data

Module 2: Training and Evaluating Machine Learning Models

In this module, you will learn how to use Azure Databricks to prepare data for modeling, and train and validate a machine learning model.

Lessons

- Preparing Data for Machine Learning

- Training a Machine Learning Model

Lab : Training a Machine Learning Model

Lab : Preparing Data for Machine Learning

After completing this module, you will be able to use Azure Databricks to:

- Prepare data for modeling

- Train and validate a machine learning model

Module 3: Managing Experiments and Models

In this module, you will learn how to use MLflow to track experiments running in Azure Databricks, and how to manage machine learning models.

Lessons

- Using MLflow to Track Experiments

- Managing Models

Lab : Using MLflow to Track Experiments

Lab : Managing Models

After completing this module, you will be able to:

- Use MLflow to track experiments

- Manage models

Module 4: Integrating Azure Databricks and Azure Machine Learning

In this module, you will learn how to integrate Azure Databricks with Azure Machine Learning

Lessons

- Tracking Experiments with Azure Machine Learning

- Deploying Models

Lab : Deploying Models in Azure Machine Learning

Lab : Running Experiments in Azure Machine Learning

After completing this module, you will be able to:

- Run Azure Machine Learning experiments on Azure Databricks compute

- Deploy models trained on Azure Databricks to Azure Machine Learning