

# Implementing a Machine Learning Solution with Azure Databricks

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*Duration: 1 Day(s)*

## Course Overview

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**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.**

Review this course online at <https://www.alta3.com/courses/DP-090T00>

## Objectives

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- Provision an Azure Databricks workspace and cluster.
- Train machine learning models using Azure Databricks.
- Track and manage experiments with MLflow.
- Integrate Databricks with Azure Machine Learning.

## Who Should Attend

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- Data Scientists
- Machine Learning Engineers
- Data Analysts
- AI Specialists

## Prerequisites

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- Create Machine Learning Models

## Course Outline

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### Module 1: Introduction to Azure Databricks

1. Getting Started with Azure Databricks
2. Working with Data in Azure Databricks

### Module 2: Training and Evaluating Machine Learning Models

3. Preparing Data for Machine Learning
4. Training a Machine Learning Model

### Module 3: Managing Experiments and Models

5. Using MLflow to Track Experiments
6. Managing Models

## **Module 4: Integrating Azure Databricks and Azure Machine Learning**

- 7. Tracking Experiments with Azure Machine Learning
- 8. Deploying Models