MICROSOFT OFFICIAL CURRICULUM

Build machine learning solutions using Azure Databricks

Official Microsoft Learn-aligned instructor-led program for Build machine learning solutions using Azure Databricks.

Microsoft | DP-3014

DURATION	LEVEL	FORMAT	CERTIFICATION
1 day	Intermediate	Virtual, On-site, or Hybrid	DP-3014

AUDIENCE PROFILE

Built for these roles

This course is designed for aspiring data scientists and AI engineers who need to train and manage machine learning models by using Azure Databricks.

OVERVIEW

Executive overview

Azure Databricks is a fully managed, cloud-based data analytics platform, which empowers developers to accelerate AI and innovation by simplifying the process of building enterprise-grade data applications. Built as a joint effort by Microsoft and the team that started Apache Spark, Azure Databricks provides data science, engineering, and analytical teams with a single platform for big data processing and machine learning. In this course, you'll learn how to use Azure Databricks to train and deploy machine learning models.

View official source

READINESS

Prerequisites

- Relevant foundational experience in the target technology area.
- Comfort with hands-on labs in a cloud or GPU-accelerated environment.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Strengthen capability in ai engineer scenarios
- Strengthen capability in data scientist scenarios
- Strengthen capability in azure scenarios

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Builds current Microsoft credential readiness for Build machine learning solutions using Azure Databricks using the official Microsoft Learn outline.

- Align labs to your production environment and platform priorities
- Add readiness reviews and instructor-led practice sessions
- Extend into project-specific architecture or delivery coaching

CURRICULUM

Curriculum roadmap

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MODULE 1

Build machine learning solutions using Azure Databricks

Azure Databricks is a cloud-scale platform for data analytics and machine learning. Data scientists and machine learning engineers can use Azure Databricks to implement machine learning solutions at scale. (DP-3014)

- Explore Azure Databricks
- Use Apache Spark in Azure Databricks
- Train a machine learning model in Azure Databricks
- Use MLflow in Azure Databricks
- Tune hyperparameters in Azure Databricks
- Use AutoML in Azure Databricks
- Train deep learning models in Azure Databricks
- Manage machine learning in production with Azure Databricks

PRIVATE DELIVERY

Plan a private cohort for your team

Scope delivery format, role mix, and rollout timeline with our solutions team.

Plan Private Delivery

Book advisory call