databricks
Academy

Get Started with Databricks Machine Learning

Learning objectives

Things you'll be able to do after completing this course

- Describe the core components that make up the Databricks Lakehouse Platform.
- Describe functionality behind key components of Databricks ML (Feature Store, AutoML, MLflow).
- Navigate the Databricks ML user-interface.
- Create a feature table using Feature Store in Databricks ML.
- Develop a baseline model using AutoML in Databricks ML.
- Manage the machine learning model lifecycle using Model Registry in Databricks ML.
- Use a registered model and feature table to perform batch inference in Databricks ML.
- Schedule a model refresh using Databricks Workflows and AutoML in Databricks ML.

Prerequisites

Things you should already know or be able to do before taking this course

- Beginner-level knowledge of the Databricks Lakehouse Platform
- Intermediate-level knowledge of Python
- Knowledge of basic Machine Learning concepts and workflows
- Access to Databricks Machine Learning

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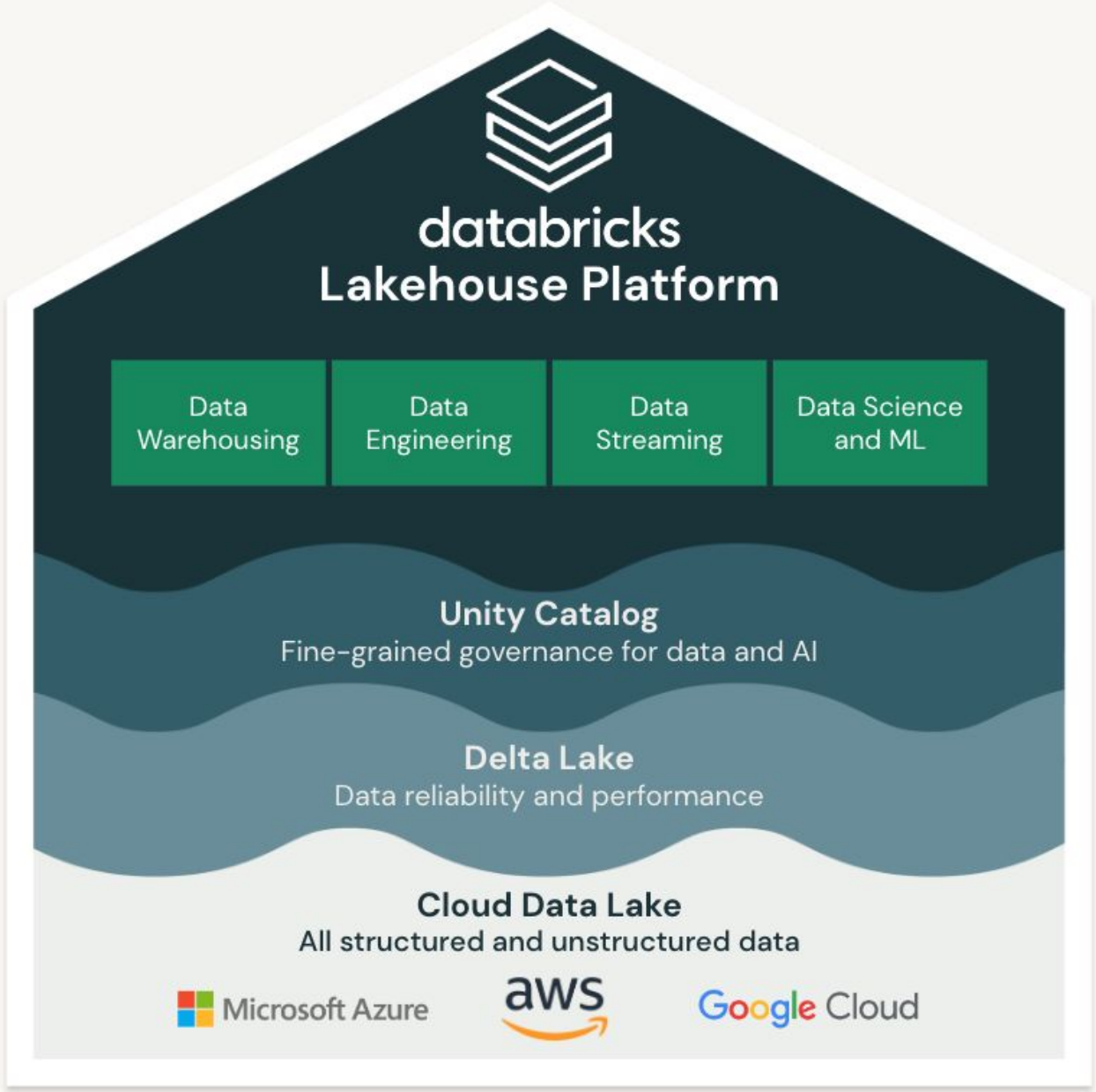
Introduction to Databricks Machine Learning

Learning objectives

- Describe how Databricks supports Machine Learning initiatives.
- Define Databricks Machine Learning.



Databricks Lakehouse Platform

Simple

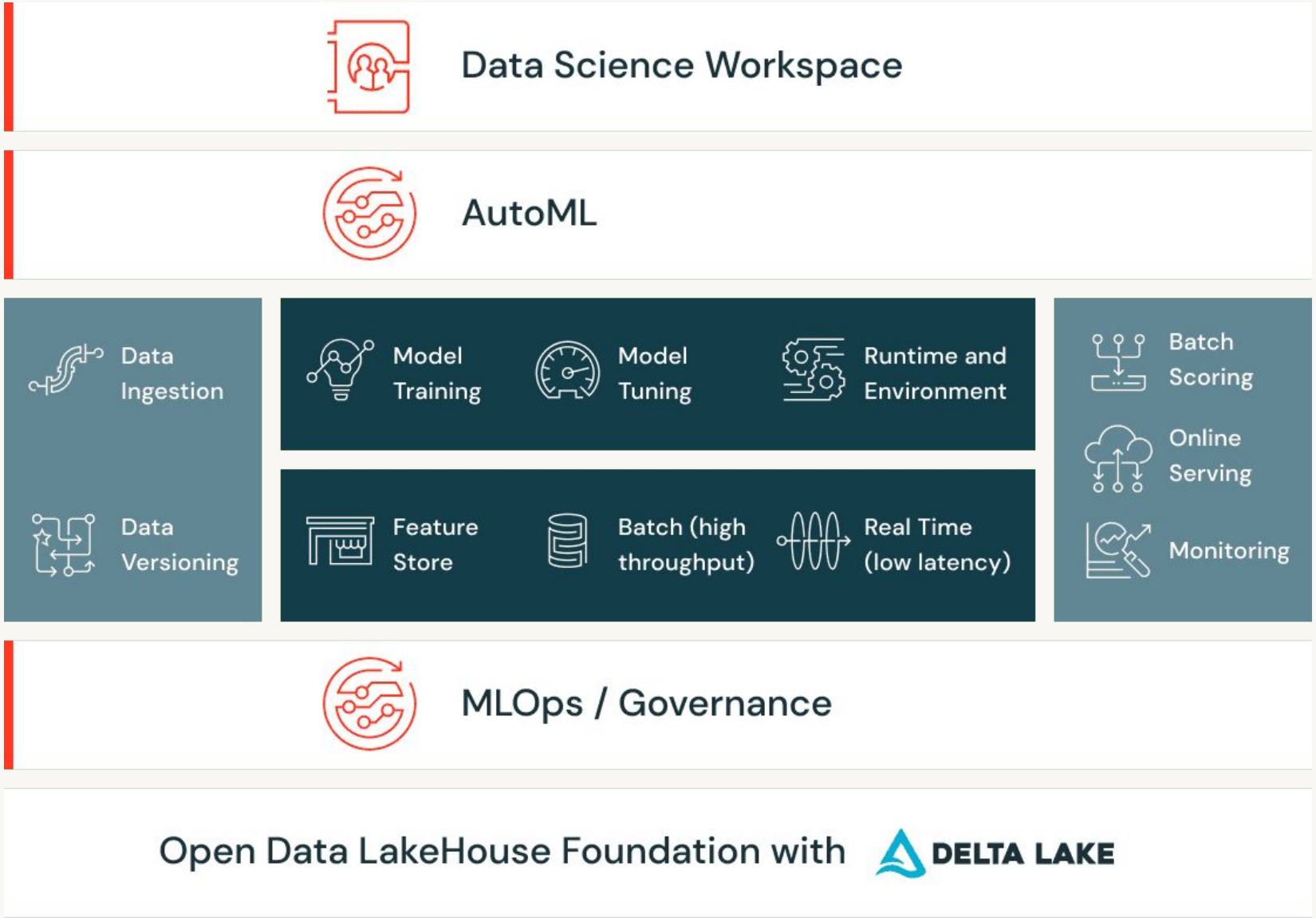
Unify your data warehousing and AI use cases on a single platform

Open

Built on open source and open standards

Multicloud

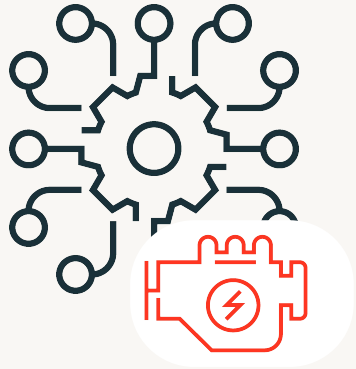
One consistent data platform across clouds



Benefits of using Databricks ML

- Production machine learning depends on code and data.
- Supports git repositories for version control.
- Full team collaboration support.
- Development and production workflow support.

Databricks Machine Learning Runtime



- Optimized and preconfigured ML Frameworks
- Turnkey distributed ML
- Built-in AutoML
- GPU support out of the box

Built-in **ML Frameworks** and **model explainability**

Built-in support for **distributed training**

Built-in support for **AutoML** and **hyperparameter tuning**

Built-in support for **hardware accelerators**

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Introduction to Databricks Machine Learning

Walkthrough of the Databricks ML UI

Learning objectives

- Navigate the Databricks Lakehouse Platform UI for Databricks Machine Learning.
- Identify the unique features of Databricks ML.

Hold for in-product demo.