

Microsoft Azure Technical Workshop: Implement a Data Lakehouse Analytics Solution with Azure Databricks Training

COURSE CONTENT

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About Multisoft

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About Course

The Microsoft Azure Technical Workshop: Implement a Data Lakehouse Analytics Solution with Azure Databricks by Multisoft Systems is designed for data engineers, analysts, and cloud professionals looking to master big data analytics, data lakehouse architecture, and AI-driven insights using Azure Databricks.

Module 1: Explore Azure Databricks

- ✓ Introduction
- ✓ Get started with Azure Databricks
- ✓ Identify Azure Databricks workloads
- ✓ Understand key concepts
- ✓ Data governance using Unity Catalog and Microsoft Purview

Module 2: Perform data analysis with Azure Databricks

- ✓ Introduction
- ✓ Ingest data with Azure Databricks
- ✓ Data exploration tools in Azure Databricks
- ✓ Data analysis using DataFrame APIs

Module 3: Use Apache Spark in Azure Databricks

- ✓ Introduction
- ✓ Get to know Spark
- ✓ Create a Spark cluster
- ✓ Use Spark in notebooks
- ✓ Use Spark to work with data files
- ✓ Visualize data

Module 4: Manage data with Delta Lake

- ✓ Introduction
- ✓ Get started with Delta Lake
- ✓ Manage ACID transactions
- ✓ Implement schema enforcement
- ✓ Data versioning and time travel in Delta Lake
- ✓ Data integrity with Delta Lake

Module 5: Build data pipelines with Delta Live Tables

- ✓ Introduction
- ✓ Explore Delta Live Tables
- ✓ Data ingestion and integration
- ✓ Real-time processing

Module 6: Deploy workloads with Azure Databricks Workflows

- ✓ Introduction
- ✓ What are Azure Databricks Workflows?
- ✓ Understand key components of Azure Databricks Workflows
- ✓ Explore the benefits of Azure Databricks Workflows
- ✓ Deploy workloads using Azure Databricks Workflows