



DP-3011: Implementing a Data Analytics Solution with Azure Databricks

Course ID #: 7000-911-ZZ-Z

Hours: 7

Course Content

Course Description:

Learn how to harness the power of Apache Spark and powerful clusters running on the Azure Databricks platform to run data analytics workloads in a data lakehouse.

Topics:

Lesson 1: Explore Azure Databricks

- Introduction
- Get started with Azure Databricks
- Identify Azure Databricks workloads
- Understand key concepts
- Exercise - Explore Azure Databricks
- Knowledge check
- Summary

Lesson 2: 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
- Exercise - Use Spark in Azure Databricks
- Knowledge check
- Summary

Lesson 3: Use Delta Lake in Azure Databricks

- Introduction
- Get Started with Delta Lake
- Create Delta Lake tables
- Create and query catalog tables
- Use Delta Lake for streaming data
- Exercise - Use Delta Lake in Azure Databricks
- Knowledge check
- Summary

Lesson 4: Use SQL Warehouses in Azure Databricks

- Introduction
- Get started with SQL Warehouses
- Create databases and tables
- Create queries and dashboards
- Exercise - Use a SQL Warehouse in Azure Databricks
- Knowledge check
- Summary



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Lesson 5: Run Azure Databricks Notebooks with Azure Data Factory

- Introduction
- Understand Azure Databricks notebooks and pipelines
- Create a linked service for Azure Databricks
- Use a Notebook activity in a pipeline
- Use parameters in a notebook
- Exercise - Run an Azure Databricks Notebook with Azure Data Factory
- Knowledge check
- Summary

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