IMPLEMENT A DATA ANALYTICS SOLUTION WITH AZURE DATABRICKS (DP-3011)

Course Code: 834018

Learn to Implement a Data lakehouse Analytics Solution with Azure Databricks.

Learn how to harness the power of Apache Spark and powerful clusters running on the Azure Databricks platform to run large data engineering workloads in the cloud.

What You'll Learn

Students will learn to,

- Explore Azure Databricks
- Perform data analysis with Azure Databricks
- Use Apache Spark in Azure Databricks
- Manage data with Delta Lake
- Build data pipelines with Delta Live Tables
- Deploy workloads with Azure Databricks Workflows

Who Needs to Attend

Students willing to Implement a Data lakehouse Analytics Solution with Azure Databricks

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CLASSROOM LIVE	$675 CAD	1 Day

Classroom Live Outline

Module 1 : Explore Azure Databricks

- Provision an Azure Databricks workspace
- Identify core workloads for Azure Databricks
- Use Data Governance tools Unity Catalog and Microsoft Purview
- Describe key concepts of an Azure Databricks solution

Module 2 : Perform data analysis with Azure Databricks

- Ingest data using Azure Databricks.
- Using the different data exploration tools in Azure Databricks.
- Analyze data with DataFrame APIs.

Module 3 : Use Apache Spark in Azure Databricks

- Describe key elements of the Apache Spark architecture.
- Create and configure a Spark cluster.
- Describe use cases for Spark.
- Use Spark to process and analyze data stored in files.
- Use Spark to visualize data.

Module 4 : Manage data with Delta Lake

- What Delta Lake is
- How to manage ACID transactions using Delta Lake
- How to use schema versioning and time travel in Delta Lake
- How to maintain data integrity with Delta Lake

Module 5 : Build data pipelines with Delta Live Tables

- Describe Delta Live Tables
- Ingest data into Delta Live Tables
- Use Data Pipelines for real time data processing

Module 6 : Deploy workloads with Azure Databricks Workflows

- What Azure Databricks Workflows are
- The key components and benefits of Azure Databricks Workflows
- How to deploy workloads using Azure Databricks Workflows

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VIRTUAL CLASSROOM LIVE	$675 CAD	1 Day

Virtual Classroom Live Outline

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PRIVATE GROUP TRAINING	1 Day

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