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IMPLEMENTING A DATA ANALYTICS SOLUTION WITH AZURE SYNAPSE ANALYTICS (DP-3012)

Course Code: 834019

Learn instruction on the SQL dedicated and serverless Spark pools and providing instruction of data wrangling and the ELT process using Synapse Pipelines.

This is a single day Instructor Lead Course designed to give the learners instruction on the SQL dedicated and serverless Spark pools and providing instruction of data wrangling and the ELT process using Synapse Pipelines which is very similar to those familiar with Azure Data Factory (ADF) to move data into the Synapse dedicated pool database.

What You'll Learn

Students will learn,

- Implement a Data Analytics Solution with Azure Synapse Analytics
- Build data analytics solutions using Azure Synapse serverless SQL pools
- Perform data engineering with Azure Synapse Apache Spark Pools
- Work with Data Warehouses using Azure Synapse Analytics
- Transfer and transform data with Azure Synapse Analytics pipelines

Who Needs to Attend

The Audience should have familiarity with notebooks that use different languages and a Spark engine, such as Databricks, Jupyter Notebooks, Zeppelin notebooks and more. They should also have some experience with SQL, Python, and Azure tools, such as Data Factory.

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CLASSROOM LIVE	$675 CAD	1 Day

Classroom Live Outline

Module 1 : Implement a Data Analytics Solution with Azure Synapse Analytics

- Introduction to Azure Synapse Analytics
- Use Azure Synapse serverless SQL pool to query files in a data lake
- Analyze data with Apache Spark in Azure Synapse Analytics
- Use Delta Lake in Azure Synapse Analytics
- Analyze data in a relational data warehouse
- Build a data pipeline in Azure Synapse Analytics

Module 2 : Build data analytics solutions using Azure Synapse serverless SQL pools

- Use Azure Synapse serverless SQL pools to transform data in a data lake
- Create a lake database in Azure Synapse Analytics
- Secure data and manage users in Azure Synapse serverless SQL pools

Module 3 : Perform data engineering with Azure Synapse Apache Spark Pools

- Analyze data with Apache Spark in Azure Synapse Analytics
- Transform data with Spark in Azure Synapse Analytics
- Use Delta Lake in Azure Synapse Analytics

Module 4 : Work with Data Warehouses using Azure Synapse Analytics

- Analyze data in a relational data warehouse
- Load data into a relational data warehouse
- Manage and monitor data warehouse activities in Azure Synapse Analytics
- Secure a data warehouse in Azure Synapse Analytics

Module 5 : Transfer and transform data with Azure Synapse Analytics pipelines

- Build a data pipeline in Azure Synapse Analytics
- Use Spark Notebooks in an Azure Synapse Pipeline

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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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