

## **DP-203T00: Data Engineering on Microsoft Azure**

Module01 : Get started with data engineering on Azure

Lesson01: Introduction to data engineering on Azure

Lesson02: Introduction to Azure Data Lake Storage Gen2

Lesson03: Introduction to Azure Synapse Analytics

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Module02 : Build data analytics solutions using Azure Synapse Analytics serverless SQL pools

Lesson01 : Use a serverless SQL pool to query files in a data lake

Lesson02 : Use a serverless SQL pool to transform data

Lesson03 : Create a lake database

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Module03 : Perform data engineering with Azure Synapse Apache Spark Pools

Lesson01 : Analyze data with Apache Spark in Azure Synapse Analytics

Lesson02 : Transform data with Apache Spark in Azure Synapse Analytics

Lesson03 : Use Delta Lake in Azure Synapse Analytics

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Module04 : Work with data warehouses using Azure Synapse Analytics

Lesson01 : Analyze data in a relational data warehouse

Lesson02 : Load data into a relational data warehouse

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Module05 : Transfer and transform data with Azure Synapse Analytics Pipelines

Lesson01 : Build a data pipeline in Azure Synapse Analytics

Lesson02 : Use Spark Notebooks in an Azure Synapse Pipeline

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Module06 : Work with hybrid transactional and analytical processing (HTAP) Solutions using Azure Synapse Analytics

Lesson01: Plan hybrid transactional and analytical processing

Lesson02: Implement Azure Synapse Link with Azure Cosmos DB

Lesson03: Implement Azure Synapse Link for SQL

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Module07 :Implement a data streaming solution with Azure Stream Analytics

Lesson01 :Get started with Azure Stream Analytics

Lesson02 :Ingest streaming data using Azure Stream Analytics and Azure Synapse Analytics

Lesson03 :Visualise real-time data with Azure Stream Analytics and Power BI

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Module08 :Govern data across an enterprise

Lesson01 : Introduction to Microsoft Purview

Lesson02 : Integrate Microsoft Purview and Azure Synapse Analytics

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Module09 : Data engineering with Azure Databricks

Lesson01 : Explore Azure Databricks

Lesson02 : Use Apache Spark in Azure Databricks

Lesson03 : Run Azure Databricks notebooks in Azure Data Factory