



GTech Learn

"Our focus is your Success"



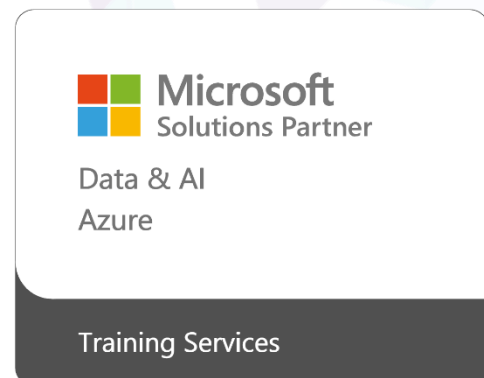
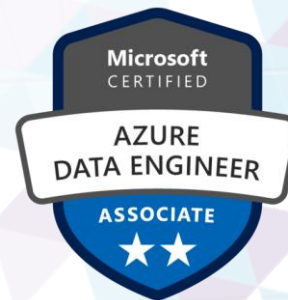
Course Contents

DP-203: Data Engineering on Microsoft Azure

Duration: 4 Days	Level: Intermediate	Role: Database Engineer
Certification: Available	Public Schedules: View Dates	Private Delivery: Reach Us

What's included?

- ✓ Learn from Microsoft Certified Trainer (MCT's)
- ✓ 24x7 Lab Access
- ✓ Official Courseware
- ✓ Exam Preps / Practice Tests
- ✓ Badges & Completion Certificate
- ✓ Discounted Exam Vouchers



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Overview

In this course, the student will learn how to implement and manage data engineering workloads on Microsoft Azure, using Azure services such as Azure Synapse Analytics, Azure Data Lake Storage Gen2, Azure Stream Analytics, Azure Databricks, and others. The course focuses on common data engineering tasks such as orchestrating data transfer and transformation pipelines, working with data files in a data lake, creating and loading relational data warehouses, capturing and aggregating streams of real-time data, and tracking data assets and lineage.

Audience Profile

The primary audience for this course is data professionals, data architects, and business intelligence professionals who want to learn about data engineering and building analytical solutions using data platform technologies that exist on Microsoft Azure. The secondary audience for this course includes data analysts and data scientists who work with analytical solutions built on Microsoft Azure.

Contents

Learning path 1: Get started with data engineering on Azure

- Introduction to data engineering on Azure
- Introduction to Azure Data Lake Storage Gen2
- Introduction to Azure Synapse Analytics

Learning Path 2: Build data analytics solutions using Azure Synapse Analytics serverless SQL pools

- Use a serverless SQL pool to query files in a data lake
- Use a serverless SQL pool to transform data
- Create a lake database

Learning Path 3: Perform data engineering with Azure Synapse Apache Spark Pools

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

Learning Path 4: Work with data warehouses using Azure Synapse Analytics

- Analyze data in a relational data warehouse
- Load data into a relational data warehouse

Learning Path 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

Learning Path 6: Work with hybrid transactional and analytical processing (HTAP) Solutions using Azure Synapse Analytics

- Plan hybrid transactional and analytical processing
- Implement Azure Synapse Link with Azure Cosmos DB
- Implement Azure Synapse Link for SQL

Learning Path 7: Implement a data streaming solution with Azure Stream Analytics

- Get started with Azure Stream Analytics
- Ingest streaming data using Azure Stream Analytics and Azure Synapse Analytics
- Visualize real-time data with Azure Stream Analytics and Power BI

Learning Path 8: Govern data across an enterprise

- Introduction to Microsoft Purview
- Integrate Microsoft Purview and Azure Synapse Analytics

Learning Path 9: Data engineering with Azure Databricks

- Explore Azure Databricks
- Use Apache Spark in Azure Databricks
- Run Azure Databricks notebooks in Azure Data Factory

About GTech Learn

Established in 2011 in the USA, GTech Learn is one of the leading IT training organizations in North America & South East Asia. Driven by its unique USPs, GTech Learn is spurring competition, meeting the unmet needs of customers, assisting in skills upgrade, and supplementing talent pools with its presence in the USA, Canada, Singapore and India. This is consistent with our vision to help our Learners with skills upgrade for enhanced career opportunities.

As a Microsoft Learning Partner, we offer a broad range of learning solutions across the full Microsoft technology stack that can be customized.

Since 2011, GTech Learn has been developing custom-fit learning solutions that involve creating and delivering maximum results.

We have successfully helped all types of businesses, government entities, and individuals. For this reason, GTech has chosen by Microsoft to deliver comprehensive learning programs around the globe.

With flexible learning options, state-of-the-art delivery methods, numerous language preferences, experienced instructors, and complete dedication to our students, GTech Learn has the capabilities to help students develop their Microsoft skill sets and achieve increasingly high standards of productivity while organizations of all sizes realize the full potential of their technology investments.

Our Accreditations with Microsoft



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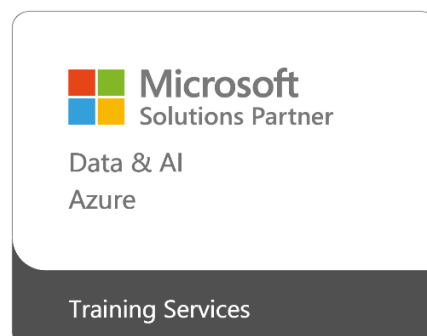
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