

Implement with impact Microsoft Fabric: Analytics

Course Overview

Microsoft Fabric is an all-in-one analytics solution for enterprises that covers everything from data movement to data science, and business intelligence. Attend this course to learn more about this comprehensive suite of services, including Data Engineering, Data Warehousing and Data Science, all in one place. Learn how to implement this easy-to-use product that is designed to simplify analytics needs of enterprises.



Level - Intermediate



Duration - 16 Hours

Course Modules

Day 1

Get started with Data Engineering experiences using Microsoft Fabric

Microsoft Fabric - The unified data platform for AI transformation

Data Engineering in Microsoft Fabric

Work with Lakehouse

OneLake Shortcut Transformations

Data integration and transformation with Data Factory in Microsoft Fabric

Transform and enrich data seamlessly with AI functions

Enhance data interaction with Fabric Data Agent

Hands on labs

Use Case 1 - Create a Lakehouse, ingest sample data and build a report

Use Case 2 - Perform Sentiment analysis and Text translation with AI functions in Microsoft Fabric

Day 2

Data Engineering using Apache Spark, Delta Lakes and Notebooks

Apache Spark in Microsoft Fabric

Delta Lake tables optimization and V-Order

Use Microsoft Fabric Notebooks

Microsoft Fabric extension for Visual Studio Code

API for GraphQL and User Data Functions in Microsoft Fabric

Manage a Workspace with git

Spark Administration settings and Resource Profile Configurations

Hands on labs

Use Case 3 - Analyze data with Apache Spark

Use Case 4 - A Data Factory solution for moving and transforming data with dataflows and data pipelines

Day 3

Implement Data Warehousing in Microsoft Fabric

Data Warehousing in Microsoft Fabric

Data Ingestion

Dimensional modeling

Monitor the Data Warehouse

Management and Security

Achieve Analytics value from Fabric Warehouse

T-SQL Experiences to query the data in your Warehouse

Warehouse snapshots

Power BI semantic modeling

Migrate to Data Warehouse in Microsoft Fabric

Prepare for migration

Extract a Data-tier Application (DAC) from an Azure Synapse dedicated SQL pool

Migrate with the Fabric Migration Assistant

Hands on labs

Use Case 5 - Build a Sales and Geography Data Warehouse for Contoso in Microsoft Fabric

Use Case 6 - Real-Time Intelligence and Data Warehousing with AbboCost in Microsoft Fabric

Day 4

Data Science in Microsoft Fabric

Data Science in Microsoft Fabric

Prepare Data

Track models and experiments

Train machine learning models

Automated Machine Learning (AutoML)

Model Scoring

Deliver AI experiences with Azure AI Foundry

Hands on labs

Use Case 7 - Train and track a model in Microsoft Fabric

Use Case 8 - Implement a Data Science scenario in Microsoft Fabric

Use Case 9 - Identify and extract text with Document Intelligence in Microsoft Fabric

Use Case 10 - Chat with your data using Fabric Data Agent