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Learning Style: Virtual Classroom

Technology: Microsoft

Difficulty: Beginner

Course Duration: 1 Day

Implementing Real Time Analytics with Microsoft Fabric (DP-604)



About This Course :

This course provides a comprehensive guide to designing, implementing, and managing real-time analytics solutions using Microsoft Fabric. It is aimed at professionals who want to learn how to process and analyze live data streams, enabling businesses to derive actionable insights in real time.

Course Objectives:

- Design and implement real-time analytics pipelines using Microsoft Fabric.
- Ingest, process, and analyze live data streams from various sources.
- Build scalable and efficient solutions for real-time data processing.
- Develop interactive dashboards and visualizations to monitor live data.
- Optimize the performance of real-time data analytics systems.
- Apply best practices for data quality, security, and governance in real-time environments.
- Implement event-driven architectures for real-time decision-making.
- Troubleshoot and resolve challenges related to streaming data analytics.
- Ensure compliance with industry standards and regulations for real-time data.

Audience:

- Data Engineers: Focused on building and optimizing real-time data processing pipelines.
- Business Intelligence (BI) Professionals: Looking to create interactive dashboards and real-time reporting systems.
- Data Analysts: Interested in extracting actionable insights from live data streams.

Prerequisites:

- You should be familiar with basic data concepts and terminology.

Course Outline:

- **Get started with data science in Microsoft Fabric**
- **Explore data for data science with notebooks in Microsoft Fabric**
- **Preprocess data with Data Wrangler in Microsoft Fabric**

- **Train and track machine learning models with MLflow in Microsoft Fabric**
- **Generate batch predictions using a deployed model in Microsoft Fabric**