Real-time Intelligence with Microsoft Fabric

Course Overview

Duration - 8 Hours | Level - Intermediate

Microsoft Fabric is an all-in-one analytics solution for enterprises that covers everything from data movement to data science, Real-Time Intelligence, and business intelligence. Real-Time Intelligence is a powerful service that empowers everyone in your organization to extract insights and visualize their data in motion. It offers an end-to-end solution for event-driven scenarios, streaming data, and data logs. Attend this course to understand a streamlined workflow from data loading to visualization with Real-Time Intelligence.

Course Modules

Day 1

Module 1: Introduction to Real-Time Intelligence in Microsoft Fabric

Microsoft Fabric - The unified data platform for AI transformation

Real-Time Intelligence in Microsoft Fabric

Implement Medallion architecture with Real-Time Intelligence

Copilot for Real-Time Intelligence in Microsoft Fabric

AI-powered Real-Time Intelligence

Module 2: Ingest data

Work with Eventhouse

Get, process and route data in Eventstreams

Get data in KQL Database

Work with Real-Time hub

Data modelling with Digital Twin Builder

Hands on labs

Use Case 1 – Digital Twin Builder for Contoso Energy: Contextualizing data and visualizing insights

Use Case 2 - Work with Real-Time hub in Microsoft Fabric

Day 2

Module 3: Implement Real-Time Intelligence in Microsoft Fabric

Real-Time data processing using Event Processor

Query data from a KQL Queryset

Timeseries anomaly detection

Monitor and visualize your data

Track data with Fabric Activator

Extend your analytics applications with Microsoft Fabric Workload Development Kit

Module 4: Secure and govern real-time data with Microsoft Purview

Secure real-time data with Microsoft Purview

Govern real-time data with Microsoft Purview

Hands on labs

Use Case 3 - Build predictive analytics with ML Model in Microsoft Fabric

Use Case 4 - Build Real-Time Medallion Architecture in KQL using update policy