

Real-Time Intelligence in a Day

Duration: 08 hours

Overview

Real-Time Intelligence in Microsoft Fabric is a powerful service that empowers everyone in your organization to understand and act on real-time data to help improve your business operations. It seamlessly connects time series data from various sources, enabling immediate visual insights, deep forensic analysis, and trigger-based actions with no-code, low-code and developer experiences. Copilot and AI-powered capabilities are integrated throughout, making it easy for users of all skill levels can get value from this data quickly. Your data remains protected, governed, and integrated across your organization, seamlessly aligning with all Fabric offerings. This one-day course on Real-Time Intelligence using Microsoft Fabric provides an in-depth introduction to leveraging real-time data for immediate insights and actions. Participants will learn to utilize Microsoft Fabric's Real-Time Hub to centralize and analyze streaming data from various sources using no-code connectors.

Course Objectives

This course will help the participants to:

- Discover and connect to streaming and event sources in the Real-Time Hub
- Process and route events in real time to different destinations
- Transform, analyze and visualize terabytes of data in seconds
- Monitor and alert on specific conditions in changing data
- Use Copilot and AI capabilities throughout real-time data solutions

Audience Profile

Business users and analysts, Data Engineers, Developers or anyone who wishes to know about the real time intelligence capabilities with Microsoft Fabric.

Fundamental knowledge of Power BI and fabric related concepts will be required.

Course Syllabus

Lesson 1: What is Real-Time Intelligence

Lesson 2: Understanding OneLake and Eventhouse

Lab Environment Setup and Lab Scenario

Lesson 3: What is the Real-Time Hub

Lab 1 – Exploring Real-Time Intelligence

Lesson 4 : Utilizing Eventstream

Lab 2 – Creating our first Eventstream

Lesson 5: Continuation on Eventstream

Lab 3 – Transforming data with Eventstream

Lesson 6: Using Data Pipelines with Eventhouse

Lab 4 – ETL and Medallion Architecture

Lesson 7: Creating Real-Time Dashboards

Lab 5 – Creating Real-Time Dashboards with KQL

Lesson 8: Data Activator and Notifications

Lab 6 – Data Activator