

# Microsoft Fabric : Fabric IQ

## Course Description

This one-day program introduces participants to Fabric IQ and Fabric Data Agents, focusing on building contextual insights and conversational AI systems. Learners will explore Ontology, semantic modeling, and connected data insights, while applying Fabric Data Agents to deliver intelligent, conversational experiences. Hands-on labs ensure practical application of concepts in real-world scenarios.

## Duration

8 hours

## Prerequisites

- Basic knowledge of data concepts and semantic models
- Familiarity with cloud services and analytics platforms
- Exposure to AI or conversational systems recommended
- Optional: experience with Microsoft Fabric components such as OneLake or Graph

## Course Plan

### Module 1: Turn data into contextual insights with Fabric IQ

- Introduction to Fabric IQ
- Key components and capabilities
- Build enterprise unified semantic layer with Ontology
- Core Concepts of Ontology
- Create Ontology from Semantic Models and from OneLake
- Compare Ontology with Semantic Models, Fabric Graph and Digital Twin Builder
- Known issues & limitations of Ontology

### Module 2: Build conversational AI Agents with Fabric Data Agents

- Build your own conversational systems with Fabric Data Agents

- Fabric Data Agents and Fabric IQ: Better Together
- Use mirrored databases as the data sources for Fabric Data Agents
- Connected data insights with Graph in Fabric

### **Hands on labs**

- Use Case 1 - From Semantics to Insights: Leveraging Fabric IQ Ontology with Fabric Data Agents
- Use Case 2 - Use Graph for advanced relationship analysis in Fabric IQ