# Real-Time Intelligence in a Day
## Master Microsoft Fabric Real-Time Analytics from Data Streams to Insights in One Intensive Workshop

## Offcial **Microsoft** hands-on workshop

Transform streaming data into actionable real-time insights that drive instant business decisions. Whether you're monitoring IoT sensors, tracking user behavior, or analyzing operational metrics, this hands-on workshop will teach you to build professional real-time analytics solutions from scratch.

Microsoft

**Full day workshop**

**Hands-on Labs**

**6**
hands-on modules

**10+**
data sources

**100%**
practical labs

# What you'll build

## Create a complete real-time intelligence solution

### Real-Time Dashboards

Professional dashboards with live KPIs, streaming metrics, and performance indicators that auto-refresh

### Eventhouse & KQL

Complete data architecture with Eventhouses, KQL databases, and optimized query patterns for real-time analytics

### AI-Powered Analytics

Natural language Q&A, automated insights, anomaly detection, and smart narratives that explain your data trends

### Eventstream Processing

Real-time data ingestion and transformation pipelines with routing, filtering, and enrichment capabilities

### Collaborative Workspace

Published solutions in Fabric Service with sharing, subscriptions, and Teams integration

### Activator Alerts

Automated triggers and alerts based on real-time patterns, thresholds, and anomalies in your data

# What you'll learn

### Core Skills

- Connect to multiple streaming data sources
- Build and manage Eventstreams
- Create and optimize Eventhouses
- Write efficient KQL queries
- Design real-time visualizations
- Configure Activator alerts

### Advanced Techniques

- Implement Update Policies
- Build Medallion Architecture
- Create materialized views
- Optimize query performance
- Implement row-level security
- Configure data retention

### Business Value

- Real-time business monitoring
- Instant decision making
- Predictive analytics setup
- Team collaboration strategies
- Mobile analytics deployment
- Self-service analytics culture

## Perfect for

| Business Analysts | Data Engineers | Solution Architects | IT Managers |
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# Workshop Agenda

Action-packed agenda with hands-on labs throughout the day

**01  Introduction & RTI Fundamentals**

Microsoft Fabric ecosystem overview • Real-Time Intelligence architecture • Real-Time Hub exploration • Live demo of complete solution

**02  Data Ingestion & Eventstream**

Connect to streaming sources • Build Eventstreams • Configure transformations • Route data to destinations

**03  Eventhouse & KQL Analytics**

Create Eventhouse architecture • KQL fundamentals • Write advanced queries • Performance optimization

**04  Medallion Architecture & Update Policies**

Implement Bronze-Silver-Gold layers • Configure Update Policies • Build data enrichment pipelines • Create materialized views

**05  Real-Time Dashboards & Visualization**

Design real-time dashboards • Create interactive visuals • Configure auto-refresh • Mobile optimization

**06  Integration & Deployment**

Lakehouse shortcuts • Activator configuration • Power BI integration • Sharing and collaboration setup

## Interested in this workshop for your team?

We can deliver an exclusive, tailored workshop for your organization.
Train your entire team and build automations for your actual workflows.

# Prerequisites

| ✓ Computer with 4GB RAM, Windows 10 or later | ✓ .Display resolution at least 1440x900 | ✓ Microsoft Fabric trial or license |
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| ✓ Edge (Chromium) or Chrome browser | ✓ Business email for Fabric access | ✓ Internet connectivity |