

40577-G: Microsoft Cloud Workshop: Innovate and modernize apps with Data and AI

Course Outline

Module 1: Whiteboard Design Session - Innovate and modernize apps with Data and AI

Lessons

- Review the customer case study
- Design a proof of concept solution
- Present the solution

Module 2: Hands-On Lab - Innovate and modernize apps with Data and AI

Lessons

- Deploy a factory load simulator
- Use Azure Machine Learning to train and register a predictive maintenance model
- Create an Azure Function to send event telemetry to Cosmos DB
- Enrich event telemetry with predictive maintenance results
- Enrich event telemetry with automated anomaly detection
- Send scored telemetry data to PostgreSQL
- Modernize services logic to use event sourcing and CQRS
- View the factory status in a Power BI report