Microsoft Cloud Workshop: Intelligent Analytics

Length
- 1 day

Prerequisites
- Workshop content presumes 300-level of architectural expertise of infrastructure and solutions design.
- Microsoft Azure Essentials course, available at https://www.microsoft.com/en-US/azureessentials

Audience
- Cloud Architects and IT Professionals who have architectural expertise of infrastructure and solutions design in cloud technologies
- Individuals who are experienced in other non-Microsoft cloud technologies and want to cross-train on Azure.

What You'll Learn
- Leveraging Cognitive Services (LUIS & Text Analytics API)
- Processing Events with Web Jobs
- Indexing with Search
- Archiving with Cosmos DB
- Visualizing with Power BI QA

This instructor-led workshop teaches real-time analytics without IoT, teaching you to enable intelligent conversation in a machine learning-enabled, real-time chat pipeline and apply analytics to visualize customer sentiment in real-time for organizations to allow guests to chat with one another and to communicate directly with the concierge.

Workshop Outline

Module 1: Whiteboard Design Session - Intelligent Analytics
- Review the customer case study
- Call to action: Design a proof of concept solution
- Call to action: Present the solution

Module 2: Hackathon - Intelligent Analytics
- Before the hackathon
- Environment setup
- Implement message forwarding
- Configure the Chat Web App
- Deploy the App Services
- Add intelligence
- Build the Power BI dashboard
- Enable search indexing
- Cleanup