Microsoft Azure Services, Part 7 of 9: Internet of Things

Meet the expert: Varma has over 14 years of experience in defining the integrated process, application, data & cloud architectures for both corporate & large scale multi-million business transformation programs and has worked extensively in defining strategy for migration of on-premise applications into AWS & Azure Cloud IaaS, PaaS, SaaS platforms. He is a TOGAF certified enterprise architect, PRINCE2 practitioner, and hold several certifications in SAP and cloud space.

Prerequisites: Basic understanding of Azure and an Azure account. Technical IT experience is not required however some general IT knowledge or experience would be beneficial.

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Course description: The AZ-900 Microsoft Azure Fundamentals Exam is intended for candidates with non-technical backgrounds or who have some involvement with cloud based solutions and services. This course covers the Azure Internet of Things, the IOT Hub as well as Stream Analytics and device provisioning

Course outline:

Azure IOT
• Introduction
• Azure IoT building blocks
• Event Hub
• Demo: Create an Event hub
  using Azure portal and
• Summary

IOT Hub
• Introduction
• Overview of Azure IoT Hub
• Demo: Creation of IoT Hub and
  device and apply de
• Demo: Send messages into IoT
  hub using a simulate
• Summary

IOT Hub Communication
• Introduction
• IoT Hub communication
• Demo: Define message routing
  to route messages to
• Summary

Stream Analytics
• Introduction
• Introduction to Stream Analytics
• Demo: End to End events flow
  from device to Power
• Demo: Trigger an Azure
  function from Stream Analy
• Summary

IOT Edge and Device Provisioning
• Introduction
• Overview of Azure IoT Edge
  and Device provisionin
• IoT Central and IoT Solution
  accelerators
• Azure Time Series Insights
• Demo: Explore the IoT
  telemetry data using Time s
• Summary