

Microsoft Azure Fundamentals
Training Bootcamp

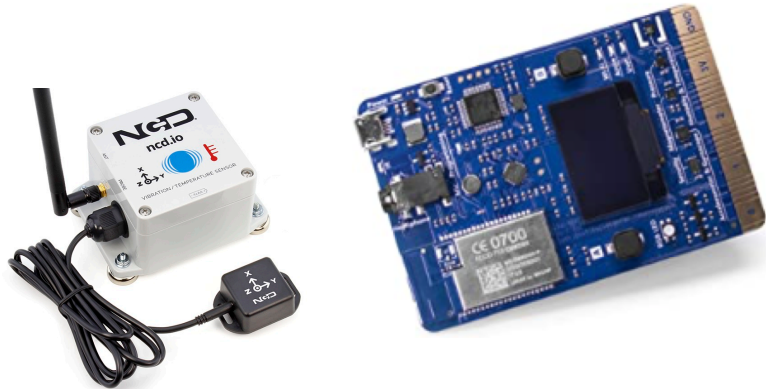
IoT in Azure Cloud Basics 101

Azure IoT Overview

- ❑ The Azure Internet of Things (IoT) is a collection of Microsoft-managed cloud services that connect, monitor, and control billions of IoT assets
- ❑ In simpler terms, an IoT solution is made up of one or more IoT devices that communicate with one or more back-end services hosted in Azure Cloud
- ❑ New to IoT ? Let's clarify the concept and the overall setup within Microsoft Azure Cloud

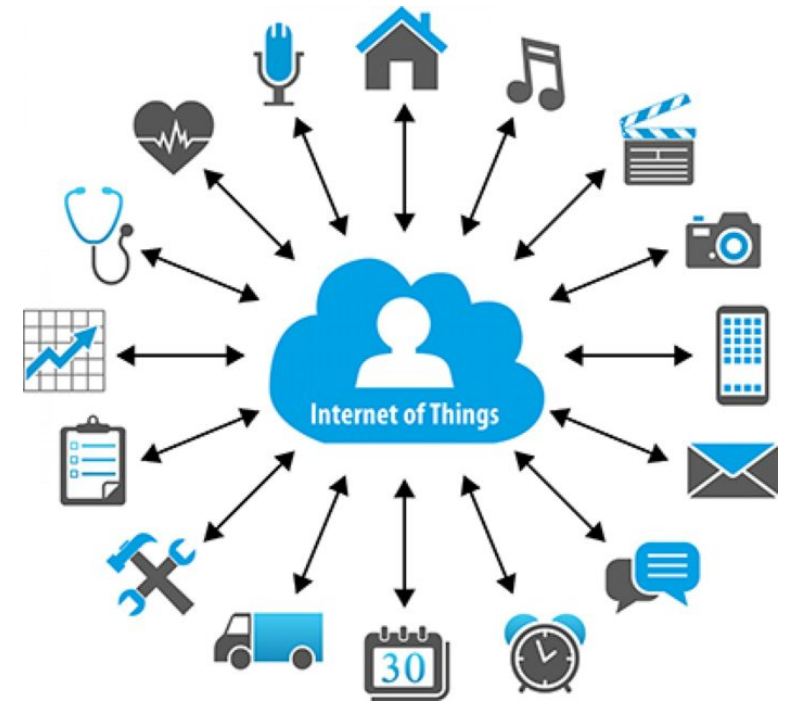
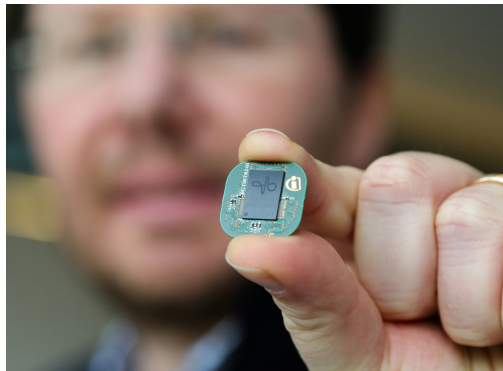
What's an IoT Device ? What's IoT ?

- ❑ An IoT device is typically made up of a circuit board, with different sensors attached, connected to the internet
- ❑ How does an IoT sensor look like ?



Plugable MXChip AZ3166 IoT
DevKit Compatible with Microsoft
Visual Studio and Azure

★★★★☆ ~ 22



Azure IoT HuB

- IoT Hub is a managed service that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages



Azure IoT Central

- ❑ IoT Central is an IoT application platform that reduces the burden and cost of developing, managing, and maintaining enterprise-grade IoT solutions (PaaS)
- ❑ You can use IoT Central to create a custom, cloud-hosted IoT solution for your organization, typically consists of:
 - ❑ A cloud-based application that receives data from your devices and enables you to manage those devices
 - ❑ IoT devices connected to your cloud-based application

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Thank you