Problem Solving with the Internet of Things and Python

Unit 1

Unit 1 Topics

- 1.1 What is IOT? What is a Thing?
- 1.2 IOT Connectivity
- 1.3 IOT Communication Protocols
- **1.4 IOT Services**
- 1.5 IOT Security

Unit 1.4

IOT Services

What are IoT Services?

IoT "Services" are the software packages you use to help make your IoT device truly useful.

Services could be online applications that you might use.

Services could also be the software that you write yourself to help with data storage or visualization with you IoT device.

What can IoT Services do?

- Store and/or Retrieve Data
- Process device data
- Visualize Data
- Coordinate communication between devices
- Allow IoT device configuration
- Provide a User Interface for technician access
- Allow the device to communicate with non IoT websites

Adafruit has another excellent video about IoT Services. Check it out on the next slide.

More resources

https://learn.adafruit.com/all-the-internet-of-things-episode-three-services

https://www.pubnub.com/use-case/iot-device-control/

https://docs.aws.amazon.com/iot/latest/developerguide/what-is-aws-iot.html

https://cloud.google.com/iot-core