INTERNET OF STRANGER THINGS

A DIY Approach to Internet of Things Using Commercially Available Microcontrollers and Beginner-Friendly App Development

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What is IoT?

In the simplest terms, the Internet of Things (IoT) is a "network of everyday devices, appliances, and other objects equipped with computer chips and sensors that can collect and transmit data through the internet."[2]

What is it Made With?

- Adafruit Feather M0 WiFi
- Blynk Application for Smartphone
- WS2811 Individually Addressable LEDs
- Resistors (560 Ω and 10 kΩ)
- Male to Male Jumper Wires
- 1000 µF Capacitor
- Breadboard
- Power Supplies (5v and 3.3v)
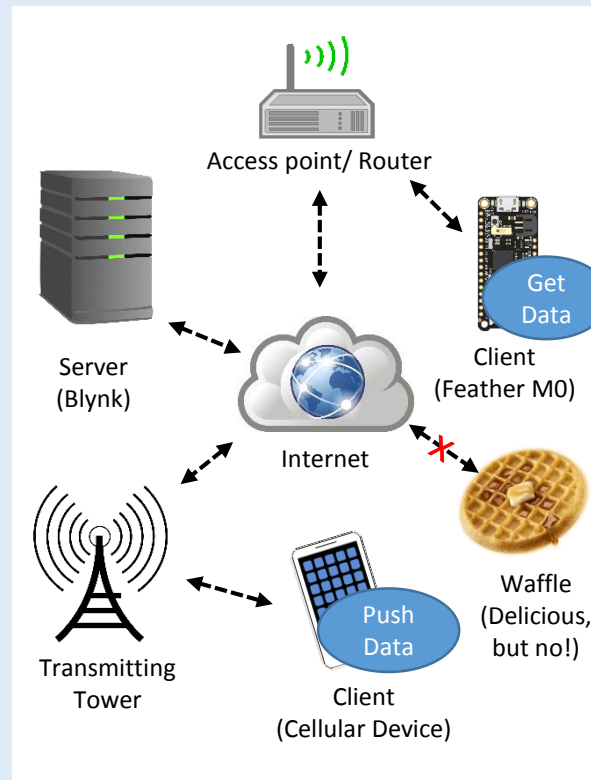- 10 mm LEDs (Red and Green)

How it All Connects

Figure 1: Simplified Diagram of Network

What is Blynk?

"Blynk is a Platform with iOS and Android apps to control Arduino, Raspberry Pi and the likes over the Internet."[1]

By providing a free, simple drag-and-drop graphic interface for app development, Blynk in a great option for IoT projects! It also provides device security through token authentication.

References

1. https://www.blynk.cc
2. http://www.dictionary.com/browse/internet-of-things?s=t

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