

ESP32 Webserver

How and Why?

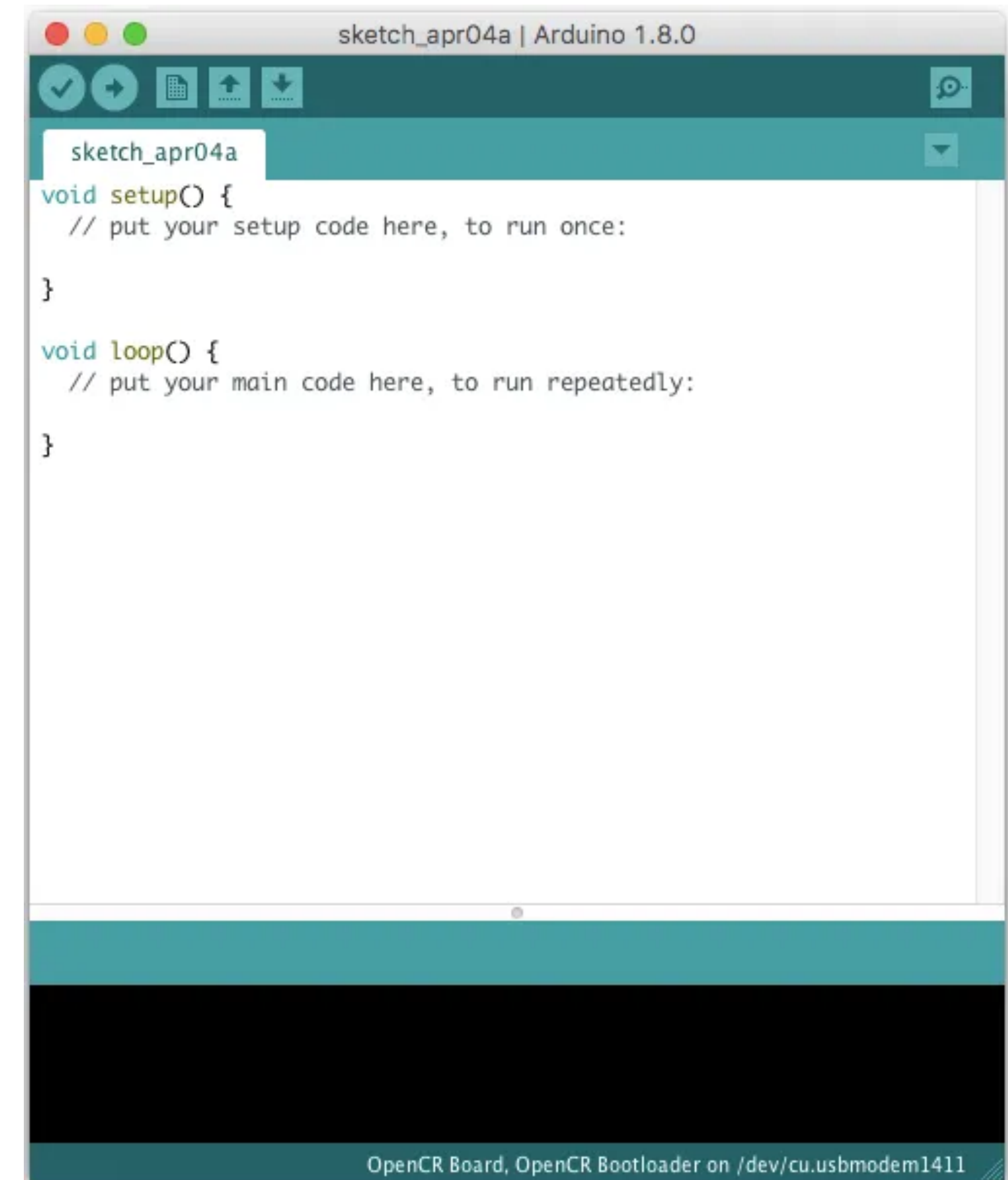
Dhruv Kumar - drvkmr.github.io

Installation

- Install Arduino IDE
- Install ESP32 board

https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json

- Try Blink



Why are we doing this?

Webserver?

A computer that stores web server software and a website's component files (for example, HTML documents, images, CSS stylesheets, and JavaScript files).

It connects to the network and supports physical data interchange with other devices connected to the same network.



Sketch 1 - Basic Webserver

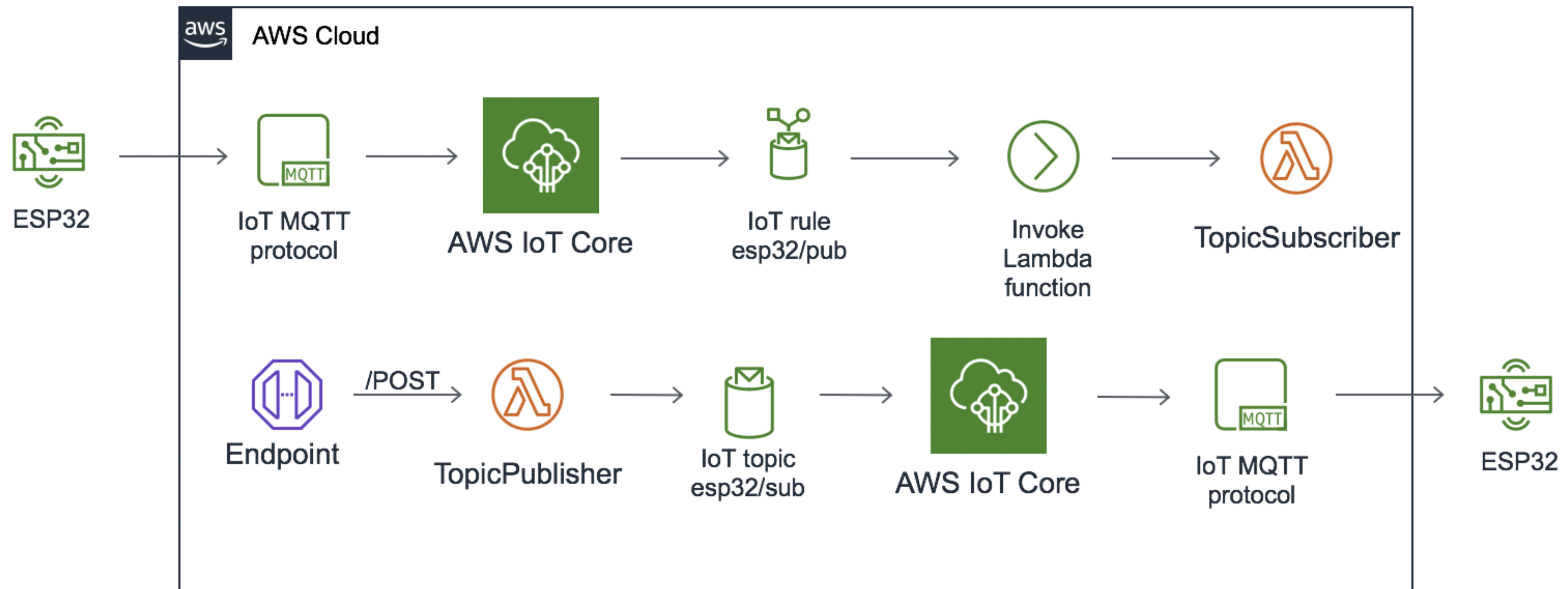
Sketch 2 - Adding buttons

Sketch 3 - ESP-Dash

Sketch 4 - Sound graph

AWS IoT

Is it worth it?



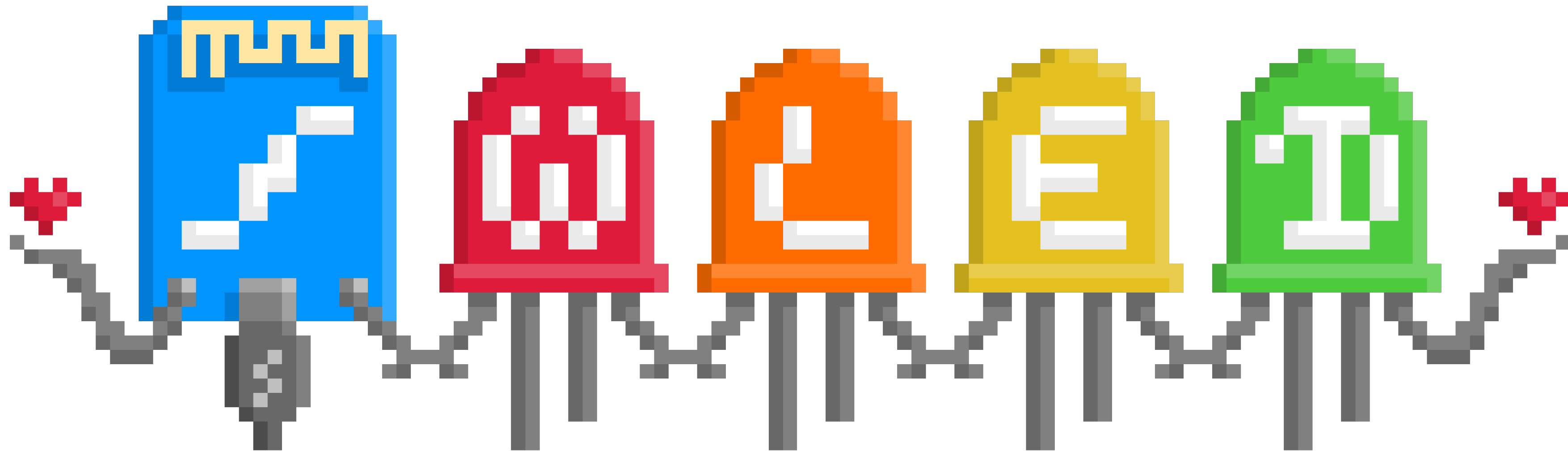
Other cloud providers

- Arduino cloud
- Adafruit IO
- Espressif IoT
- Google Cloud IoT
- Thingspeak



WLED

One of the best open source webserver based project



Contact

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