

QUICKSTART IOT WORKSHOP PART 2

How to aggregate data with adafruit.io

1. Sign up at adafruit.io.
2. Create a new dashboard and a related feed.
3. Add a block to your dashboard. (blue + icon)
4. Generate your AIO key.
5. Drag the MQTT and openwifi library into your \Arduino\libraries folder.
6. Follow the comments in the code and add your username and AIO key.
7. Verify the code.
8. Upload the code to your board.
9. The dashboard should update each time you press the button.

For more detailed information regarding MQTT follow [this tutorial](#).

AIO key can be found at: <https://io.adafruit.com/USERNAME/settings>

Feed: The data you want to send to adafruit will be sent to a particular feed.

```
// You should create a feed with a name like this on the site:  
// The "/feeds/INSERT_FEED_NAME_HERE");  
Adafruit_MQTT_Publish buttonCount = Adafruit_MQTT_Publish(&mqtt, AIO_USERNAME"/feeds/buttonCount");
```

Dashboard: shows your data collected from your one or more feeds put into blocks

Blocks: visual representation of the data you get from a feed.