

WOKWI     Sprint 2  Docs

esp32-dht22.ino diagram.json Libraries.txt Library Manager

Simulation

```
1 #include <Wire.h>
2 #include <WiFi.h>
3 #include <PubSubClient.h>
4
5 #define DEBUG true
6 #define DEVICE_TYPE "nodecru"
7 #define DEVICE_ID "12345"
8 #define TOKEN "12345678"
9
10 char server[] = DNS ".messaging.internetofthings.ibmcloud.com";
11 char publishTopic[] = "iot-2/evt/data/fmt/json";
12 char authMethod[] = "use-token-auth";
13 char token[] = TOKEN;
14 char clientId[] = "d-DEBUG-" DEVICE_TYPE "-" DEVICE_ID;
15 WiFiClient wifiClient;
16 PubSubClient mqttClient(server, 1883, wifiClient);
17
18 float temperature = 0;
19 float gas = 0;
20 float flame = 0;
21
22 STRING flame_status = "";
23 STRING gas_status = "";
24 STRING exhaust_fan_status = "";
25 STRING sprinkler_status = "";
26
27
28
29 //void setup() {
```

Connecting to WiFi.WiFi connected, IP address: 10.10.0.2
Reconnecting MQTT client to
wt19pm.messaging.internetofthings.ibmcloud.com

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