|  |
| --- |
| #include <ESP8266WiFi.h> |
|  | #include <WiFiClient.h> |
|  | #include <PubSubClient.h> |
|  | #include <ESP8266WebServer.h> |
|  | #include <ESP8266HTTPClient.h> |
|  |  |
|  | const char\* ssid = "SMART-G"; |
|  | const char\* password = "10112019"; |
|  |  |
|  | #define WT A0 |
|  | #define CY D0 |
|  |  |
|  | String key; |
|  | #define ID "1yww18" |
|  | #define DEVICE\_TYPE "ESP8266" |
|  | #define DEVICE\_ID "SMARTWMS" |
|  | #define TOKEN "IOT-1234567" |
|  |  |
|  | char server[] = ID ".messaging.internetofthings.ibmcloud.com"; |
|  | char publish\_Topic1[] = "iot-2/evt/Data1/fmt/json"; |
|  | char publish\_Topic2[] = "iot-2/evt/Data2/fmt/json"; |
|  | char authMethod[] = "use-token-auth"; |
|  | char token[] = TOKEN; |
|  | char clientId[] = "d:" ID ":" DEVICE\_TYPE ":" DEVICE\_ID; |
|  | String inputString = ""; |
|  | bool stringComplete = false; |
|  | WiFiClient wifiClient; |
|  | PubSubClient client(server, 1883, NULL, wifiClient); |
|  |  |
|  | void setup() { |
|  | Serial.begin(115200); |
|  | // dht.begin(); |
|  | Serial.println(); |
|  | WiFi.begin(ssid, password); |
|  | while (WiFi.status() != WL\_CONNECTED) { |
|  | delay(500); |
|  | Serial.print("."); |
|  | } |
|  | Serial.println(""); |
|  | Serial.println(WiFi.localIP()); |
|  |  |
|  | if (!client.connected()) { |
|  | Serial.print("Reconnecting client to "); |
|  | Serial.println(server); |
|  | while (!client.connect(clientId, authMethod, token)) { |
|  | Serial.print("."); |
|  | delay(500); |
|  | } |
|  | Serial.println("Connected TO IBM IoT cloud!"); |
|  | } |
|  | inputString.reserve(200); |
|  | } |
|  |  |
|  | long previous\_message = 0; |
|  | void loop() { |
|  |  |
|  |  |
|  |  |
|  |  |
|  | while(Serial.available()) |
|  | { |
|  |  |
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|  | HTTPClient http; |
|  | String postData; |
|  | String key = Serial.readString(); |
|  | Serial.print(key); |
|  | if(key.toInt()== 100) |
|  | { |
|  | postData = "username=fantasy&password=596692&to=8072114401&from=FSSMSS&message=Dear user your msg is your Controlled Bin is Full plz Clean Sent By FSMSG FSSMSS&PEID=1501563800000030506&templateid=1507162882948811640"; |
|  | Serial.print(key); |
|  | http.begin("http://smsserver9.creativepoint.in/api.php"); |
|  | http.addHeader("Content-Type", "application/x-www-form-urlencoded"); |
|  | int httpCode = http.POST(postData); |
|  | String payload = http.getString(); |
|  | Serial.println(payload); |
|  | http.end(); |
|  | delay(1000); |
|  | } |
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|  | Serial.print("GARBAGE LEVEL: "); |
|  | Serial.print(key); |
|  | Serial.print("%"); |
|  | int a=key.toInt(); |
|  | String payload = "{\"d\":{\"Name\":\"" DEVICE\_ID "\""; |
|  | payload += ",\"GARBAGE LEVEL\":"; |
|  | payload += a; |
|  | payload += "}}"; |
|  |  |
|  | Serial.print("Sending payload: "); |
|  | Serial.println(payload); |
|  |  |
|  | if (client.publish(publish\_Topic1, (char\*) payload.c\_str())) { |
|  | Serial.println("Published successfully"); |
|  | } else { |
|  | Serial.println("Failed"); |
|  | } |
|  |  |
|  | } |
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|  |  |
|  | } |

Sssszzzzzzzzz`