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plug001 | Arduino 1.6.9
CMMC_Blink.hpp CMMC_Interval.hpp
15
16 #define APPID "HelloNETPIE"
17 #define KEY "IIHqbqzgkgy2jkQ"
18 #define SECRET "XQUOQIk4KBLAKCP2gURexMid"
19 #define ALIAS "light001"
20
21 WiFiClient client;
22 AuthClient *authclient;
23
24 #define DHTPIN 12
25 #define DHTTYPE DHT22 // DHT 22 (AM2302), AM2321
26 DHT dht(DHTPIN, DHTTYPE);
27 CMMC_Interval timer001;
28
29 int timer = 0;
30 int relayPin = 15; //control relay pin
31
32 MicroGear microgear(client);
33
34 /* If a new message arrives, do this */
35 void onMsgghandler(char *topic, uint8_t* msg, unsigned int msglen) {
36     Serial.print("Incoming message --> ");
37     msg[msglen] = '\0';
38     Serial.println((char *)msg);
39     String msg2 = String((char*)msg);
40
41     if (msg2 == "ON") {
42         digitalWrite(relayPin, HIGH);
43         digitalWrite(LED_BUILTIN, LOW);
44     }
45     else if (msg2 == "OFF") {
46         digitalWrite(relayPin, LOW);
47         digitalWrite(LED_BUILTIN, HIGH);
48     }
49 }
50
51 void onFoundgear(char *attribute, uint8_t* msg, unsigned int msglen) {
52     Serial.print("Found new member --> ");
53     for (int i = 0; i < msglen; i++)
54         Serial.print((char)msg[i]);
55 }
56
57 Done uploading.
58 espcomm_send_command: sending command header
59 espcomm_send_command: sending command payload
60 espcomm_send_command: receiving 2 bytes of data
61 closing bootloader
62
63 150 ESPresso Lite 2.0, 80 MHz, 460800, 4M (1M SPIFFS), ck, Serial, All on /dev/cu.usbserial-AH02F167
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142 Serial.print(h);
143 Serial.print(" %\t");
144 Serial.print("Temperature: ");
145 Serial.print(t);
146 Serial.println(" *C ");
147
148 /* Chat with the microgear named ALIAS which is myself */
149 microgear.chat("plug001/temp", (String)t);
150 microgear.chat("plug001/humid", (String)h);
151
152 char topic_temp[MAXTOPICSIZE];
153 char topic_humid[MAXTOPICSIZE];
154 sprintf(topic_temp, "/gearname/%s/temp", ALIAS);
155 sprintf(topic_humid, "/gearname/%s/humid", ALIAS);
156 //retain message
157 microgear.publish(topic_temp, String(t), true);
158 microgear.publish(topic_humid, String(h), true);
159 }
160 });
161 }
162 else {
163 Serial.println("DIS CONNECTED");
164 microgear.connect(APPID);
```