#include <LWiFi.h>

#include "MCS.h"

#include "DHT.h"

#define DHTPIN 2

#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

char \_lwifi\_ssid[] = "04052474";

char \_lwifi\_pass[] = "13422828";

MCSDevice mcs("D5w5ob3U", "DlkWkwpl3tPVpjL8");

MCSDisplayFloat Temperature("Temperature");

MCSDisplayFloat Humidity("Humidity");

void setup()

{

dht.begin();

Serial.begin(9600);

Serial.println("Connect to Wifi");

while (WiFi.begin(\_lwifi\_ssid, \_lwifi\_pass) != WL\_CONNECTED) {

Serial.println("Wifi Reconnecting..");

delay(1000);

}

Serial.println("Connect to MCS...");

while (!mcs.connected()) {

Serial.println("MCS Reconnecting..");

mcs.connect();

}

Serial.println("MCS Connected!");

Serial.println("Humidity and temperature\n\n");

mcs.addChannel(Temperature);

mcs.addChannel(Humidity);

}

void loop()

{

while (!mcs.connected()) {

mcs.connect();

if (mcs.connected()) {

Serial.println("MCS Reconnect");

}

}

mcs.process(1000);

float h = dht.readHumidity();

float t = dht.readTemperature();

if (isnan(h) || isnan(t)) {

Serial.println("Failed to read from DHT sensor!");

return;

}

Serial.print("Humidity: ");

Serial.print(h);

Serial.print(" %\t");

Serial.print("Temperature: ");

Serial.print(t);

Serial.print(" \*C ");

Humidity.set(h);

Temperature.set(t);

Serial.println("Add sensor value.");

delay(200);

}

