

IBM Watson IoT Platform ragapriya19ec022@gmail.com ID: ovqpva

Browse Action Device Types Interfaces Add Device +

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

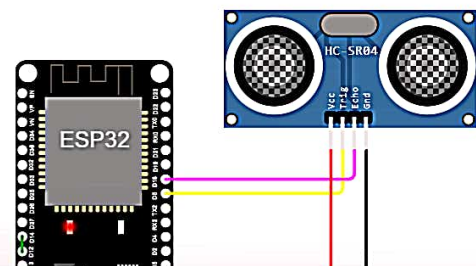
Search by Device ID Device Simulator IOI

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	Assignment4	Connected	Assignment4	Device	Nov 16, 2022 11:53 AM
> <input type="checkbox"/>	Assignment4 MID	Connected	Assignment4	Device	Nov 16, 2022 11:53 AM

```
esp32-dht22.ino diagram.json libraries.txt Library Manager
1 #include <WiFi.h>
2 #include <PubSubClient.h>
3 WiFiClient wifiClient;
4 String data3;
5 #define ORG "ovqpva"
6 #define DEVICE_TYPE "Assignment4"
7 #define DEVICE_ID "Assignment4"
8 #define TOKEN "123456789"
9 #define speed 0.034
10 #define led 14
11 char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
12 char publishTopic[] = "iot-2/evt/ragapriya/fmt/json";
13 char topic[] = "iot-2/cmd/home/fmt/String";
14 char authMethod[] = "use-token-auth";
15 char token[] = TOKEN;
16 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
17 PubSubClient client(server, 1883, wifiClient);
18 void publishData();
19
20
21 const int trigpin=5;
22 const int echopin=18;
23 String command;
24 String data="";
25
26 long duration;
```

Simulation

00:33.852 98%



Publish OK

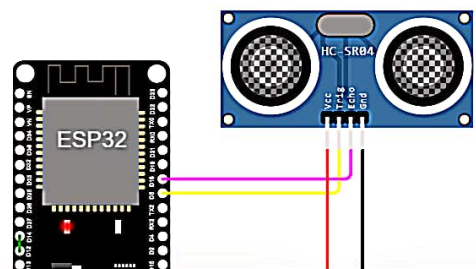
Sending payload: {"Normal Distance":89.95}
Publish OK

Sending payload: {"Normal Distance":89.95}
Publish OK

```
esp32-dht22.ino diagram.json libraries.txt Library Manager
94   payload += "}";
95
96   Serial.print("\n");
97   Serial.print("Sending payload: ");
98   Serial.println(payload);
99   if (client.publish(publishTopic, (char*) payload.c_str())) {
100     Serial.println("Publish OK");
101   }
102   else {
103     Serial.println("Publish FAILED");
104   }
105
106 }
107
108
109 }
110
```

Simulation

00:12.845 100%



Publish OK

Sending payload: {"Normal Distance":89.95}
Publish OK

Sending payload: {"Normal Distance":89.95}
Publish OK