

Publish Data to IBM cloud

Date	18 November 2022
Team ID	PNT2022TMID11060
Project Name	Project - Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

```
File Edit View Run Tools Help
codeibm.py openweathermap.py
6 myConfig = {
7     "identity": {
8         "orgId": "XXXXXXXXXX",
9         "typeId": "sulan1",
10        "deviceId": "4567"
11    },
12    "auth": {
13        "token": "XXXXXXXXXXXXXXXXXXXXX"
14    }
15 }
16
17 def myCommandCallback(cmd):
18     print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
19     m=cmd.data['command']
20
21 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
22 client.connect()
23
24 BASE_URL = "https://api.openweathermap.org/data/2.5/weather?"
25 CITY = "Coimbatore"
26 URL = BASE_URL + "q=" + "Coimbatore" + "&appid=" + "XXXXXXXXXXXXXXXXXXXXX"
27
28 ... -
```

```
Shell
Published data Successfully: %s {'Temperature': 301.03, 'Humidity': 69, 'Pressure': 1014, 'Message'
Published data Successfully: %s {'Temperature': 301.03, 'Humidity': 69, 'Pressure': 1014, 'Message'
Published data Successfully: %s {'Temperature': 301.03, 'Humidity': 69, 'Pressure': 1014, 'Message'
Published data Successfully: %s {'Temperature': 301.03, 'Humidity': 69, 'Pressure': 1014, 'Message'
```

The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows the platform name and a user ID: 7179kctkctkctkctkct19bcs019@smartinternz.com. Below the header, there are navigation tabs: Browse, Action, Device Types, and Interfaces. A table lists devices, with the second device (ID 4567) highlighted in blue. This device is connected, has the name 'sulan1', and is a 'Device' type. Below the table, a detailed view of device 4567 is shown, including its identity, device information, recent events, state, and logs. The device information section shows the device ID as 4567, device type as 'sulan1', date added as Oct 26, 2022 3:23 PM, added by as 7179kctkctkctkctkct19bcs019@smartinternz.com, and connection status as Connected.

Identity	Device Information	Recent Events	State	Logs
Device ID	4567			
Device Type	sulan1			
Date Added	Oct 26, 2022 3:23 PM			
Added By	7179kctkctkctkctkct19bcs019@smartinternz.com			
Connection Status	Connected			

Publish data to ibm cloud :

The screenshot displays the IBM Watson IoT Platform interface. At the top, the header shows the platform name and user information. The main navigation bar includes tabs for Browse, Action, Device Types, and Interfaces. A sidebar on the left contains various icons for navigation. The central area shows a list of devices, with one device selected and its details expanded. The 'Recent Events' tab is active, showing a stream of data events.

Event	Value	Format	Last Received
status	{"Temperature":301.03,"Humidity":69,"Pressure":1013.25,"Altitude":1000.0}	json	a few seconds ago
status	{"Temperature":301.03,"Humidity":69,"Pressure":1013.25,"Altitude":1000.0}	json	a few seconds ago
status	{"Temperature":301.03,"Humidity":69,"Pressure":1013.25,"Altitude":1000.0}	json	a few seconds ago
status	{"Temperature":301.03,"Humidity":69,"Pressure":1013.25,"Altitude":1000.0}	json	a few seconds ago