

DEVELOP THE PYTHON SCRIPT

We are getting temperature and heart rate of worker as input through the beacon scanner (python code)

```
Sprint1.py - C:\Users\user\Desktop\Arvin\Sprint1.py (3.7.0)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6yaafic",
        "typeId": "Sprint1",
        "deviceId": "SprintID"
    },
    "auth": {
        "token": "sW(iQhEK't)4!jgrjD"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    temp=random.randint(0,50)
    heart=random.randint(60,100)
    myData={'temperature':temp, 'heartrate':heart}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s" % myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
client.disconnect()
```

```
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```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\user\Desktop\Arvin\Sprint1.py =====
2022-11-10 14:51:02.276 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:6yaafic:Sprint1:SprintIDPublished data Successfully: %s
({'temperature': 14, 'heartrate': 74})
Published data Successfully: %s ('temperature': 49, 'heartrate': 89)
Published data Successfully: %s ('temperature': 2, 'heartrate': 60)
```

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

pk4052043@gmail.com

ID: f9lw6p

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

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	IBM_IoT_1	Disconnected	IBM_IoT	Device	14 Nov 2022 20:38	
>	IBM_IoT_2	Disconnected	IBM_IoT	Device	14 Nov 2022 20:38	
>	SprintID	Disconnected	Sprint1	Device	14 Nov 2022 20:36	
>	f9lw6p	Disconnected	IBM_IoT	Device	14 Nov 2022 15:11	
>	sensoeid	Disconnected	Sensor	Device	14 Nov 2022 15:11	3 Simulations running

Type here to search

25°C Cloudy

8:42 PM

11/14/2022

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

pk4052043@gmail.com

ID: f9lw6p

Add Device

Sensorid

Disconnected

Sensor

Device

Nov 4, 2022 12:24 PM

SprintID

Connected

Sprint1

Device

Oct 31, 2022 2:40 PM

→ ...

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"temperature":13,"heartrate":62}	json	a few seconds ago
status	{"temperature":6,"heartrate":96}	json	a few seconds ago
status	{"temperature":25,"heartrate":77}	json	a few seconds ago
status	{"temperature":19,"heartrate":82}	json	a few seconds ago