

DEVELOP THE PYTHON SCRIPT

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

Publish the Python script

```
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6yafic",
        "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()
```

Sprint1.py - C:\Users\user\Desktop\Arvin\Sprint1.py (3.7.0)

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```
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client.disconnect()
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Python 3.7.0 Shell

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```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
4)] 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:6yafic: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

923319104022@smartinternz.com
ID: d43fm6

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Add Device +

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
event_1	{"temperature":1,"Humidity":0.1,"status":"norm...	json	a few seconds ago
event_1	{"temperature":1,"Humidity":0.1,"status":"norm...	json	a few seconds ago
event_1	{"temperature":1,"Humidity":0.1,"status":"norm...	json	a few seconds ago
event_1	{"temperature":1,"Humidity":0.1,"status":"norm...	json	a few seconds ago

> 12345

Disconnected Ultrasonic Device Nov 18, 2022 11:12 AM

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2 Simulations running

23°C Partly cloudy

Search

ENG US 3:59 PM 11/18/2022

Published data for temperature and humidity

