

# Develop a Python script to publish and subscribe to IBM IoT platform

---

## **PYTHON SCRIPT**

```
import wiotp.sdk.device
import time
import os
import random
myconfig = {
    "identity": {
        "orgId":"c2qdrk",
        "typeId":"ESP32",
        "deviceId":"1814"
    },
    "auth":{
        "token":"87654321"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myconfig, logHandlers=None)
client.connect()
def myCommandCallback(cmd):
    print("Message recived from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
    if(m=="Motor is switched on"):
        print("Motoris switched on")
    elif(m=="motoroff"):
        print("Motor is switched OFF")
    print("")
while True:
    soil=random.randint(22, 100)
    temp=random.randint(-20, 125)
    hum=random.randint(0, 100)
    myData={'soil_moisture':soil, 'temperature':temp,'humidity':hum}
    client.publishEvent(eventId="status",msgFormat="json", data=myData,qos=0,onPublish=None)
    print ("Published data Successfully: %s",myData)
    time.sleep(2)
    client.commandCallback= myCommandCallback
client.disconnect()
```

---