

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

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Project Name	Industry-specific intelligent fire management system

### Source Code:

```
import wiotp.sdk.device
import time import os
import datetime
import random
myConfig = {
"identity": {
    "orgId": "ir6i2l",
    "typeId": "DeviceNode",
    "deviceId": "73585"
},
"auth": {
    "token": "43218765"
}
}
client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None)
client.connect ()

def myCommandCallback (cmd) :

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

        print ("Motor is switched on")
    elif (m=="motoroff"):
```

```
print ("Motor is switched OFF") print (" ") while
```

True:

```
soil=random.randint (0,100) 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 ()
```