

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

DATE	6 NOVEMBER 2022
TEAM ID	PNT2022TMID42308
PROJECT NAME	REAL TIME RIVER WATERQUALITY MONITORING AND CONTROL SYSTEM

```
#IBM Watson IOT Platform
#pip install wiotp-sdk import
wiotp.sdk.device import time
import random myConfig = {
    "identity": {
        "orgId": "yf0dyy ",
        "typeId": "Jero ",
        "deviceId":"12345"
```

```
},
```

```
"auth": {
```

```
    "token": "VJTDPRX@f&4VuoX8ms "
```

```
    }
```

```
}
```

```
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:
```

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

```
    temp=random(0,100) hum=random.randint(0,100)
```

```
    pre=random.random(0,100) myData={'Hazardous
WATER:water,
```

```
'Temperature';temp,'Humidity':hum,'Pressure':pre }
```

```
    clientpublishEventtid="status",
```

```
    msgFormat="json",datmyData, qos=0, onPublish=None)
```

```
print("Published data  
successfully:%S",myData)  
client.commandCallback = myCommandback  
time.sleep(2) client.disconnect)
```