

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

DATE	4 NOVEMBER 2022
TEAM ID	PNT2022TMID00516
PROJECT NAME	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

```
#IBM Watson IOT Platform #pip install
wiotp-sdk import wiotp.sdk.device
import timeimport 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)
```