

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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TEAM ID	PNT2022TMID52160
PROJECT NAME	REAL TIME RIVER WATER QUALITY 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)
```