

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

TeamID	PNT2022TMID03956
ProjectName	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```
#IBM Watson IOT
Platform#pipinstallwiotp-
sdkimportwiotp.sdk.devicei
mporttime
importrandommyConfig
={
    "identity":{
        "orgId":"yf0dyy",
        "typeId":"Faraaz","de
        vicId":"12345"
    },
    "auth":{
        "token":"VJTDPRX@f&4Vuox8ms"
    }
}
defmyCommandCallback(cmd):
    print("MessagereceivedfromIBMIoTPlatform:%s"%cmd.data['command'])
    m=cmd.data['command']
    client=wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
    client.connect()

while
    True:gas=random.randint(
        0,100)
```

```
temp=random.randint(0,100)hum=random.randint(0,100
)pre=random.randint(0,100)
myData={'HazardousGas':gas,'Temperature':temp,'Humidity':hum,'Pressure':pre}
client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,
onPublish=None)
print("Published data Successfully: %s",
myData)client.commandCallback=myCommand
Callbacktime.sleep(2)
client.disconnect()
```