

Project Name	Gas leakage and monitoring system
Team ID	PNT2022TMID22149
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PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

CODE:

```
import wiotp.sdk.device
import time
import random myConfig {
"identity": {
"orgId": "n9y27r",
"typeld": "Jambu ",
"deviceId":"0502"
},
"auth":{
"token": "123456789"
}
}
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:
```

```
gas=random.randint(0,100)
temp=random.randint(0,100)
hum=random.randint(0,100)
pre=random.randint(0,100)
myData={'Hazardous Gas':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 = myCommandCallback time.sleep(2)
client.disconnect()
```