

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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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()
```