**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#pip install wiotp-sdk importwiotp.sdk.deviceimporttime

import random myConfig = {"identity":{

"orgId":"md8rdq",

"typeId":"TITIKSHA",

"deviceId":"123456"

},

"auth":{

"token":"Titik@2002"

}

}

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={'Hazardous Gas':gas,'Temperature':temp,'Humidity':hum,

'Pressure':pre } client.publishEvent(eventId="status", msgFormat="json",data=myData,qos=0,onPublish=None)print("PublisheddataSuccessfully:%s",myData)

client.commandCallback = myCommandCallback time.sleep(2)client.disconnect(