

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": " 6a4pz2",
```

```
        "typeId": "Node_1",
```

```
        "deviceId":"12345"
```

```
    },
```

```
    "auth": {
```

```
        "token": "12345678"
```

```
    }
```

```
}
```

```
def myCommandCallback(cmd):
```

```
    print("Message received from IBM IoT Platform: %s" %  
cmd.data['command'])
```

```
    m=cmd.data['command']
```

```
client =  
wiotp.sdk.device.DeviceClient(config=myCo  
nfig,logHandlers=None)  
client.connect()
```

```
while True:
```

```
    temp=random.ran
```

```
    dint(-20,125)
```

```
    hum=random.ran
```

```
    dint(0,100)
```

```
    myData={'temperature':temp, 'humidity':hum}
```

```
    client.publishEvent(eventId="status",  
msgFormat="json",data=myData, qos=0,  
onPublish=None)
```

```
    print("Published data Successfully:
```

```
    %s",                               myData)
```

```
    client.commandCallback           =
```

```
    myCommandCallbacktime.sleep(2)
```

```
client.disconnect()
```

Browse

Action

Device Types

Interfaces

Add Device

Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
	12345	Disconnected	Node_1	Device	Nov 6, 2022 12:31 PM	

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"temperature":-11,"humidity":87}	json	a few seconds ago
status	{"temperature":46,"humidity":61}	json	a few seconds ago
status	{"temperature":56,"humidity":30}	json	a few seconds ago
status	{"temperature":-3,"humidity":4}	json	a few seconds ago
status	{"temperature":24,"humidity":3}	json	a few seconds ago