

PUBLISHING DATA TO IBM CLOUD

TEAM ID : PNT2022TMID48397

PROJECT : SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

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Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/krije/OneDrive/Desktop/IBM/pyt.py =====
2022-11-18 20:01:36,818 ibmiotf.device.Client INFO Connected successfully: d:ilkqwd:abcd:12345
Published Distance = 73 cm Weight = 36 kg to IBM Watson
Published Distance = 35 cm Weight = 31 kg to IBM Watson
Published Distance = 79 cm Weight = 17 kg to IBM Watson
Published Distance = 63 cm Weight = 30 kg to IBM Watson
Published Distance = 45 cm Weight = 41 kg to IBM Watson
Published Distance = 62 cm Weight = 19 kg to IBM Watson
Published Distance = 69 cm Weight = 40 kg to IBM Watson
Published Distance = 46 cm Weight = 18 kg to IBM Watson
Published Distance = 79 cm Weight = 44 kg to IBM Watson
Published Distance = 81 cm Weight = 46 kg to IBM Watson
Published Distance = 90 cm Weight = 18 kg to IBM Watson
Published Distance = 76 cm Weight = 35 kg to IBM Watson
Published Distance = 50 cm Weight = 26 kg to IBM Watson
Published Distance = 90 cm Weight = 50 kg to IBM Watson
Published Distance = 83 cm Weight = 24 kg to IBM Watson
Published Distance = 89 cm Weight = 29 kg to IBM Watson
Published Distance = 93 cm Weight = 19 kg to IBM Watson
Published Distance = 83 cm Weight = 24 kg to IBM Watson
Published Distance = 88 cm Weight = 24 kg to IBM Watson
Published Distance = 74 cm Weight = 18 kg to IBM Watson
Published Distance = 78 cm Weight = 29 kg to IBM Watson
Published Distance = 57 cm Weight = 42 kg to IBM Watson
Published Distance = 87 cm Weight = 34 kg to IBM Watson
Published Distance = 93 cm Weight = 44 kg to IBM Watson
Published Distance = 86 cm Weight = 13 kg to IBM Watson
Published Distance = 71 cm Weight = 31 kg to IBM Watson
Ln 278 Col 0
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Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Published Distance = 50 cm Weight = 11 kg to IBM Watson
Published Distance = 68 cm Weight = 26 kg to IBM Watson
Published Distance = 34 cm Weight = 20 kg to IBM Watson
Published Distance = 82 cm Weight = 46 kg to IBM Watson
Published Distance = 47 cm Weight = 49 kg to IBM Watson
Published Distance = 45 cm Weight = 23 kg to IBM Watson
Published Distance = 87 cm Weight = 43 kg to IBM Watson
Published Distance = 81 cm Weight = 36 kg to IBM Watson
Published Distance = 61 cm Weight = 25 kg to IBM Watson
Published Distance = 78 cm Weight = 49 kg to IBM Watson
Published Distance = 69 cm Weight = 34 kg to IBM Watson
Published Distance = 42 cm Weight = 27 kg to IBM Watson
Published Distance = 46 cm Weight = 20 kg to IBM Watson
Published Distance = 90 cm Weight = 14 kg to IBM Watson
Published Distance = 57 cm Weight = 36 kg to IBM Watson
Published Distance = 87 cm Weight = 32 kg to IBM Watson
Published Distance = 58 cm Weight = 36 kg to IBM Watson
Published Distance = 70 cm Weight = 20 kg to IBM Watson
Published Distance = 78 cm Weight = 23 kg to IBM Watson
Published Distance = 54 cm Weight = 28 kg to IBM Watson
Published Distance = 64 cm Weight = 22 kg to IBM Watson
Published Distance = 88 cm Weight = 45 kg to IBM Watson
Published Distance = 42 cm Weight = 37 kg to IBM Watson
Published Distance = 83 cm Weight = 25 kg to IBM Watson
Published Distance = 39 cm Weight = 40 kg to IBM Watson
Published Distance = 83 cm Weight = 32 kg to IBM Watson
Published Distance = 67 cm Weight = 30 kg to IBM Watson
Published Distance = 79 cm Weight = 14 kg to IBM Watson
Published Distance = 69 cm Weight = 42 kg to IBM Watson
Published Distance = 45 cm Weight = 32 kg to IBM Watson
Published Distance = 71 cm Weight = 44 kg to IBM Watson
Ln 280 Col 0
```

Service: x Node-I: x IBM W: x sketch: x W New E: x MIT A: x (B2) I: x ibmiot: x Google: x Node-I: x 169.51 x smart: x +

← → ↻ i1kqwd.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

krishesh10@gmail.com ID: i1kqwd

Browse Action Device Types Interfaces Add Device +

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	abcd	Device	14 Nov 2022 11:47	

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
IoTSensor	{"distance":31,"Weight":48}	json	a few seconds ago
IoTSensor	{"distance":58,"Weight":44}	json	a few seconds ago
IoTSensor	{"distance":50,"Weight":22}	json	a few seconds ago
IoTSensor	{"distance":40,"Weight":45}	json	a few seconds ago
IoTSensor	{"distance":89,"Weight":11}	json	a few seconds ago

25°C Haze Search 22:31 18-11-2022

Service: x Node-I: x IBM W: x sketch: x W New E: x MIT A: x (B2) I: x ibmiot: x Google: x Node-I: x 169.51 x smart: x +

← → ↻ i1kqwd.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

krishesh10@gmail.com ID: i1kqwd

Browse Action Device Types Interfaces Add Device +

criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	abcd	Device	14 Nov 2022 11:47	

Identity Device Information Recent Events State Logs

Device ID: 12345
Device Type: abcd
Date Added: 14 Nov 2022 11:47
Added By: krishesh10@gmail.com
Connection Status: Connected
Connection Time: 18 Nov 2022 21:53
Client Address: 157.49.225.145 SecureToken

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123456	Disconnected	abcde	Device	14 Nov 2022 15:13	

25°C Haze Search 22:31 18-11-2022

```
pyt.py - C:/Users/krije/OneDrive/Desktop/IBM/pyt.py (3.7.0)
File Edit Format Run Options Window Help
#.....
except Exception as e:
    print("Caught exception connecting device: %s" % s)
    sys.exit()

# Connect and send a datapoint "hello" with value "world"
deviceCli.connect()

while True:
    #Get Sensor Data from DHT11
    dist = random.randint(30,100)
    weight = random.randint(10,50)

    data = { 'distance' : dist, 'Weight': weight}
    #print data
    def myOnPublishCallback():
        print ("Published Distance = %s cm" % dist, "W")
    success = deviceCli.publishEvent("IoTSensor", "jsc", data, myOnPublishCallback)
    if not success:
        print("Not connected to IoTF")
        time.sleep(10)

    deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from the cloud
deviceCli.disconnect()

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Published Distance = 45 cm Weight = 32 kg to IBM Watson
Published Distance = 71 cm Weight = 44 kg to IBM Watson
Published Distance = 81 cm Weight = 46 kg to IBM Watson
Published Distance = 43 cm Weight = 28 kg to IBM Watson
Published Distance = 31 cm Weight = 26 kg to IBM Watson
Published Distance = 100 cm Weight = 26 kg to IBM Watson
Published Distance = 43 cm Weight = 15 kg to IBM Watson
Published Distance = 61 cm Weight = 33 kg to IBM Watson
Published Distance = 53 cm Weight = 34 kg to IBM Watson
Published Distance = 69 cm Weight = 19 kg to IBM Watson
Published Distance = 86 cm Weight = 30 kg to IBM Watson
Published Distance = 98 cm Weight = 23 kg to IBM Watson
Published Distance = 44 cm Weight = 45 kg to IBM Watson
Published Distance = 55 cm Weight = 24 kg to IBM Watson
Published Distance = 97 cm Weight = 14 kg to IBM Watson
Published Distance = 86 cm Weight = 33 kg to IBM Watson
Published Distance = 61 cm Weight = 40 kg to IBM Watson
Published Distance = 38 cm Weight = 25 kg to IBM Watson
Published Distance = 100 cm Weight = 31 kg to IBM Watson
Published Distance = 87 cm Weight = 30 kg to IBM Watson
Published Distance = 54 cm Weight = 44 kg to IBM Watson
Published Distance = 44 cm Weight = 26 kg to IBM Watson
Published Distance = 53 cm Weight = 42 kg to IBM Watson
Published Distance = 40 cm Weight = 29 kg to IBM Watson
Published Distance = 62 cm Weight = 10 kg to IBM Watson
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