Publish Data to the IBM Cloud

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Project Name	Smart Waste Management System For
	Metropolitan Cities

PYTHON SCRIPT

```
- n x
File Edit Format Run Options Window Help
       time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "dluuhi"
deviceType = "SWMS"
deviceId = "6032"
authMethod = "token"
authToken = "311519106032"
# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":|
        print ("led is on")
    else:
         print ("led is off")
    #print(cmd)
try:
         except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
         sys.exit()
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()
while True:
#Get Sensor Data from DHT11
         temp=random.randint(0,100)
         Humid=random.randint(0,100)
         data = { 'temp' : temp, 'Humid': Humid }
#print data
         def myOnPublishCallback():
             print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % Humid, "to IBM Watson")
         success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on publish=myOnPublishCallback)
         if not success:
    print("Not connected to IoTF")
         time.sleep(1)
         deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

OUTPUT:

DATA IN IBM CLOUD PLATFORM:

