Publish Data to the IBM Cloud

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Project Name	SmartWasteManagementSystemFor
	Metropolitan Cities

PYTHON SCRIPT

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 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):
    mycommandCallDack(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:
          deviceOntions = !"arg": organization "tune": deviceTune "id": deviceId "auth-method": authMethod "auth-token": deviceOptions - { org : organization, cype : deviceType, id : deviceId, auth-method : authMethod deviceOptions - { organization, cype : deviceIype, id : deviceId, auth-method : authMethod deviceId, auth-token : A
           deviceCli = ibmiotf.device.Client(deviceOptions)
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()
           #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()
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OUTPUT:

DATA IN IBM CLOUD PLATFORM:

