<https://node-red-alavu-2022-11-08.au-syd.mybluemix.net/?_ga=2.117764106.221651164.1667882773-661263581.1667457035>

sprint 1

import time

import sys

import random

import ibmiot.application

import ibmiot.device

organization = "8lpjde"

deviceType = "Ultrasonic"

deviceId = "123654"

authMethod = "use-token-auth"

authToken = "qwerty1234"

try:

deviceOptions = {"org": organization, "type": deviceType,"id": deviceId, "auth-method": authMethod, "auth-token":authToken}

deviceCli = ibmiotf.device.Client(deviceOptions)

except Exception as e:

print("Caught exception connecting device: %s" % str(e))

sys.exit()

deviceCli.connect()

while True:

temp=random.randint(0,100)

Humid=random.randint(0,100)

Gas=random.randint(0,100)

data = { 'temp' : temp, 'Humid': Humid, 'Gas':gas }

def myOnPublishCallback():

print ("Published Temperature = %s C" % temp, "Humidity = %s %%" %Humid, "Gas Concentration = %s" %Gas )

success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on\_publish=myOnPublishCallback)

if not success:

print("Not connected to IoTF")

time.sleep(10)

deviceCli.commandCallback = myCommandCallback

deviceCli.disconnect()