#!/usr/bin/python

import RPi.GPIO as GPIO

import time

import sys

import httplib

import json

GPIO.setmode(GPIO.BCM)

GPIO.setup(24, GPIO.IN,pull\_up\_down=GPIO.PUD\_UP)

deviceId = "DGhGY717"

deviceKey = "VDd91BtHZuRR9cLf"

def post\_to\_mcs(payload):

headers = {"Content-type": "application/json", "deviceKey": deviceKey}

not\_connected = 1

while (not\_connected):

try:

httpClient = httplib.HTTPConnection("api.mediatek.com:80")

httpClient.connect()

not\_connected = 0

except (httplib.client.HTTPException, socket.error) as ex:

print ("Error: %s") % ex

time.sleep(1)

# sleep 10 seconds

httpClient.request("POST", "/mcs/v2/devices/" + deviceId + "/datapoints", json.dumps(payload), headers)

response = httpClient.getresponse()

print( response.status, response.reason, json.dumps(payload), time.strftime("%c"))

data = response.read()

httpClient.close()

while True:

SwitchStatus = GPIO.input(24)

if(SwitchStatus == 0):

print('Turn on the switch')

payload = {"datapoints":[{"dataChnId":"DataSwitch","values":{"value":SwitchStatus}}]}

post\_to\_mcs(payload)

time.sleep(1)

else:

print('Turn off the switch')

payload = {"datapoints":[{"dataChnId":"DataSwitch","values":{"value":SwitchStatus}}]}

post\_to\_mcs(payload)

time.sleep(1)