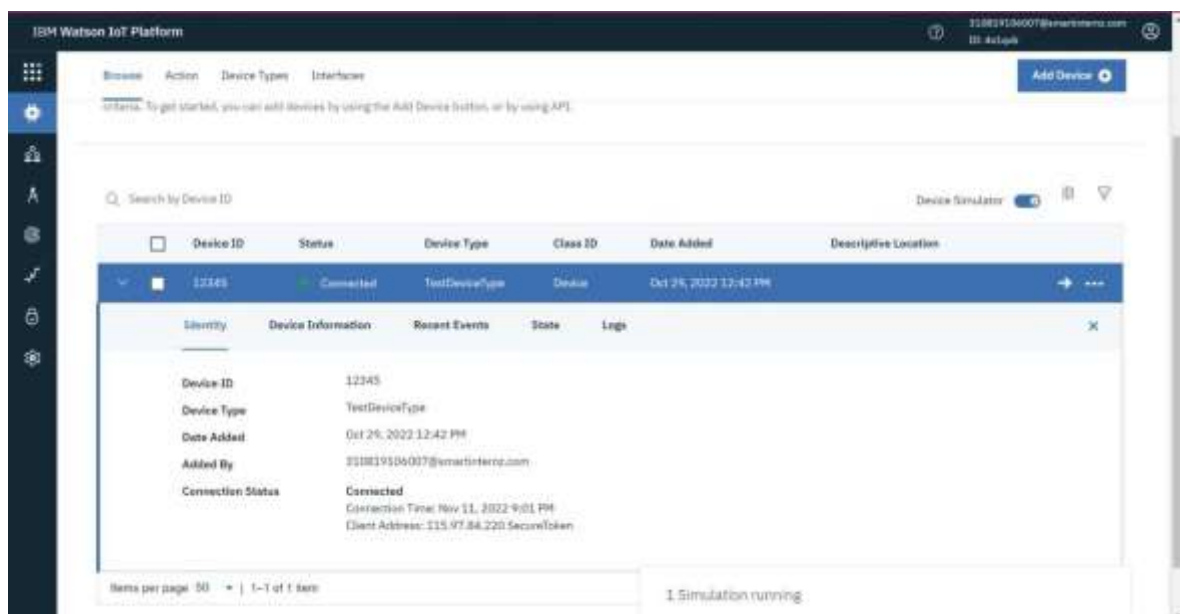


Project Development –Delivery plan sprint-2

Date :	14 November 2022
Project Topic :	IoT Based Safety Gadget for Child Safety Monitoring & Notification
Team ID :	PNT2022TMID50197

Creating and Connecting IBM cloud for Project and Python

CodeCreating IBM Cloud Service and creating the device:



Creating Python Code:

```
import json
import wiotp.sdk.device
import time
import random

myConfig = {
    "identity": {
        "orgId": "4o1qxb",
        "typeId": "TestDeviceType",
        "deviceId": "12345"
    },
    "auth": {
        "token": "pnhXvzN-sWMKv&hxyi"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location

    latitude= 17.4225176

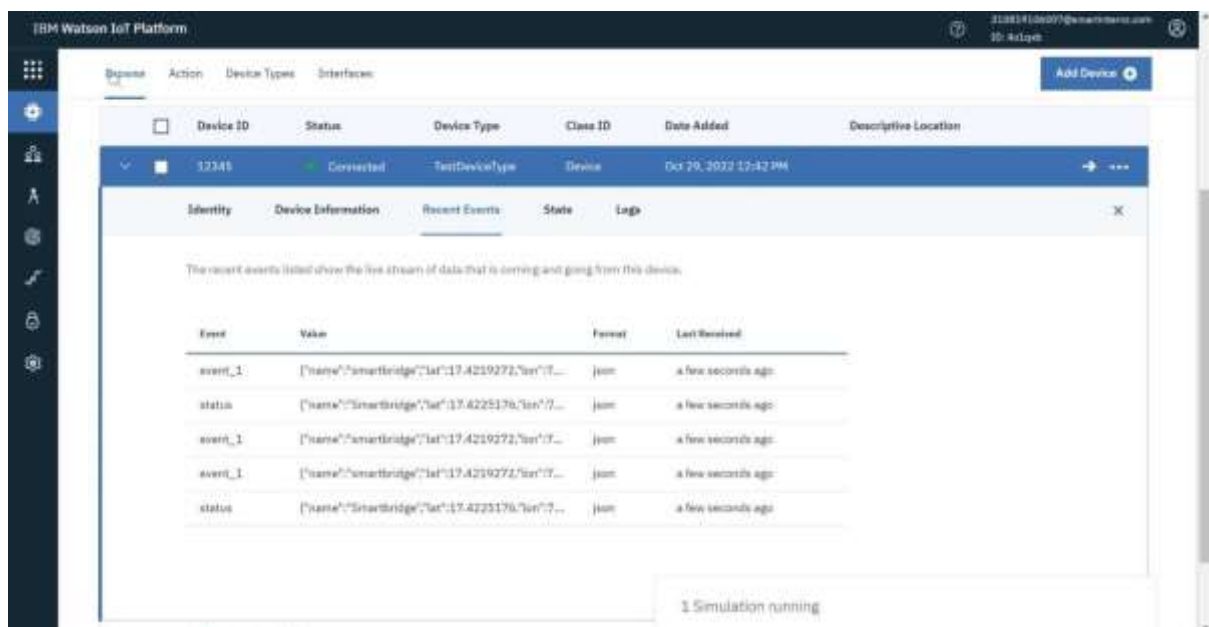
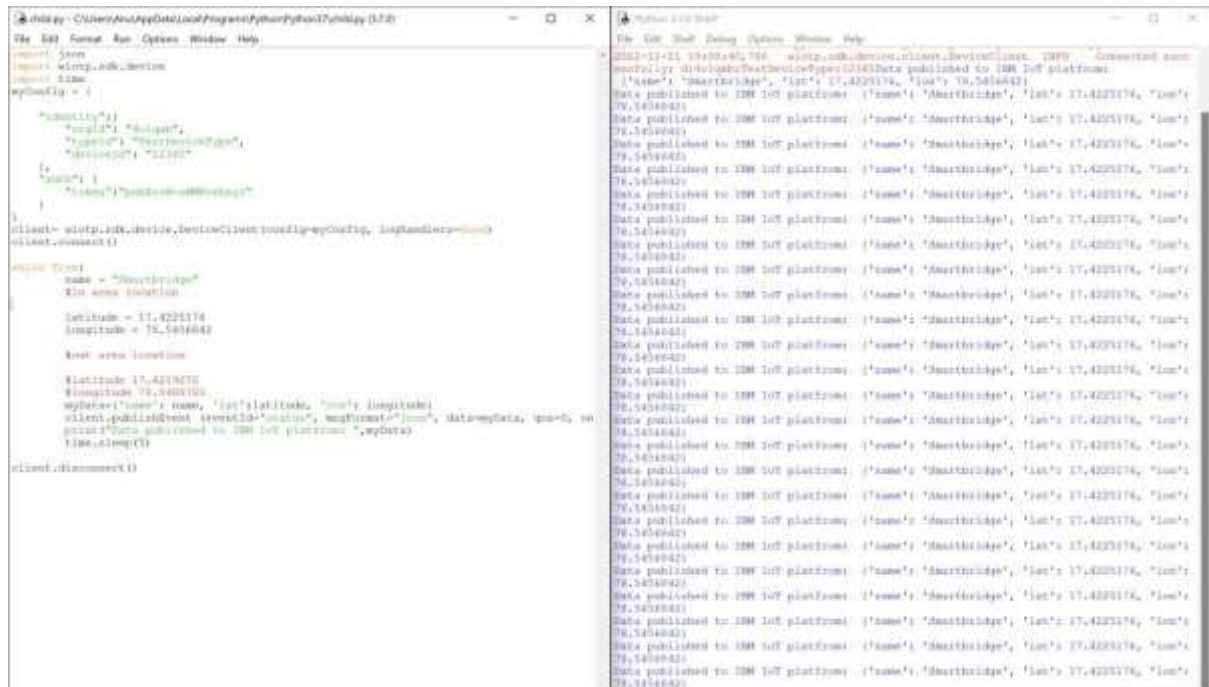
    longitude= 78.5458842

    #out area location

    #latitude= 17.4219272
    #longitude= 78.5488783
    myData={'name': name,'lat':latitude, 'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json",
    data=myData,
    qos=0, onPublish=None)
    print("Data Published to IBM IoT platform: ", myData)
    time.sleep(5)
    client.disconnect()
```

Connecting IBM Watson and python Code:

In-Area Location:



Out-Area Location:

```

File Edit Format Run Options Window Help
Python 370 Shell
client = mqtt.Client('Smartbridge')
client.username = 'Smartbridge'
client.password = 'Smartbridge'
client.connect()

def publish_data():
    """Publish location data to the IoT platform"""
    # Get location data
    location = get_location()

    # Publish data to the IoT platform
    client.publish('Smartbridge/location', location)

# Publish data to the IoT platform
publish_data()

client.disconnect()

```

client = mqtt.Client('Smartbridge')

client.username = 'Smartbridge'

client.password = 'Smartbridge'

client.connect()

def publish_data():

"""Publish location data to the IoT platform"""

Get location data

location = get_location()

Publish data to the IoT platform

client.publish('Smartbridge/location', location)

Publish data to the IoT platform

publish_data()

client.disconnect()

IBM Watson IoT Platform

118819166079@ibmcloud.com

2D-4-10-10

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
status	['name': 'Smartbridge', 'lat': 17.4219272, 'lon': 79.5449793]	json	a few seconds ago
event_1	['name': 'Smartbridge', 'lat': 17.4219272, 'lon': 79.5449793]	json	a few seconds ago
event_1	['name': 'Smartbridge', 'lat': 17.4219272, 'lon': 79.5449793]	json	a few seconds ago
status	['name': 'Smartbridge', 'lat': 17.4219272, 'lon': 79.5449793]	json	a few seconds ago
event_1	['name': 'Smartbridge', 'lat': 17.4219272, 'lon': 79.5449793]	json	a few seconds ago

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1 of 1 page

1 Simulation running