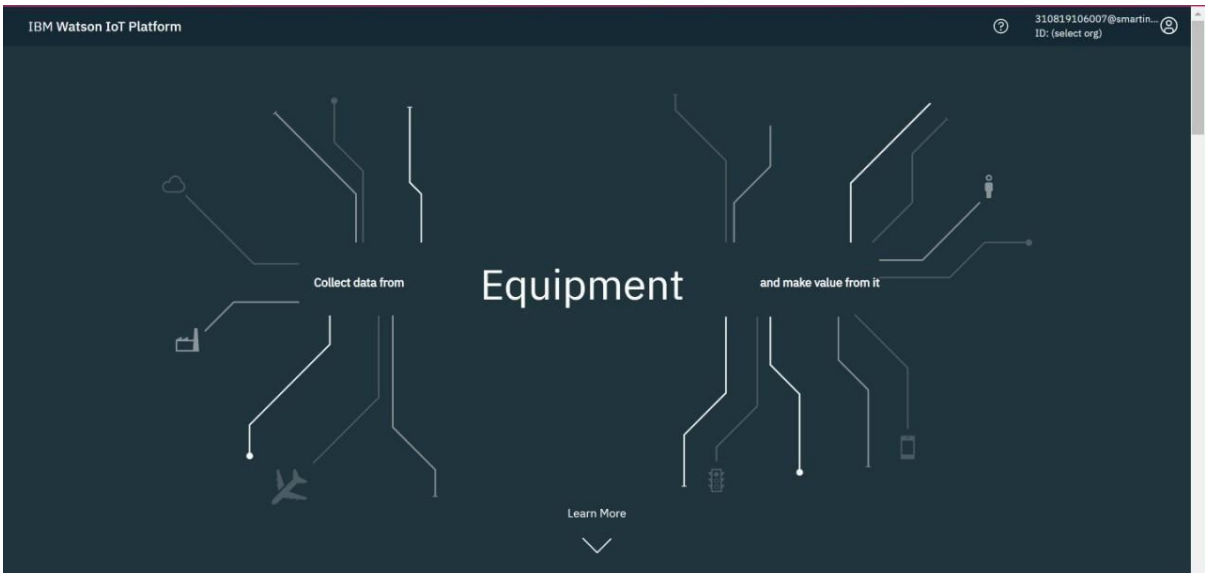
Sprint-2

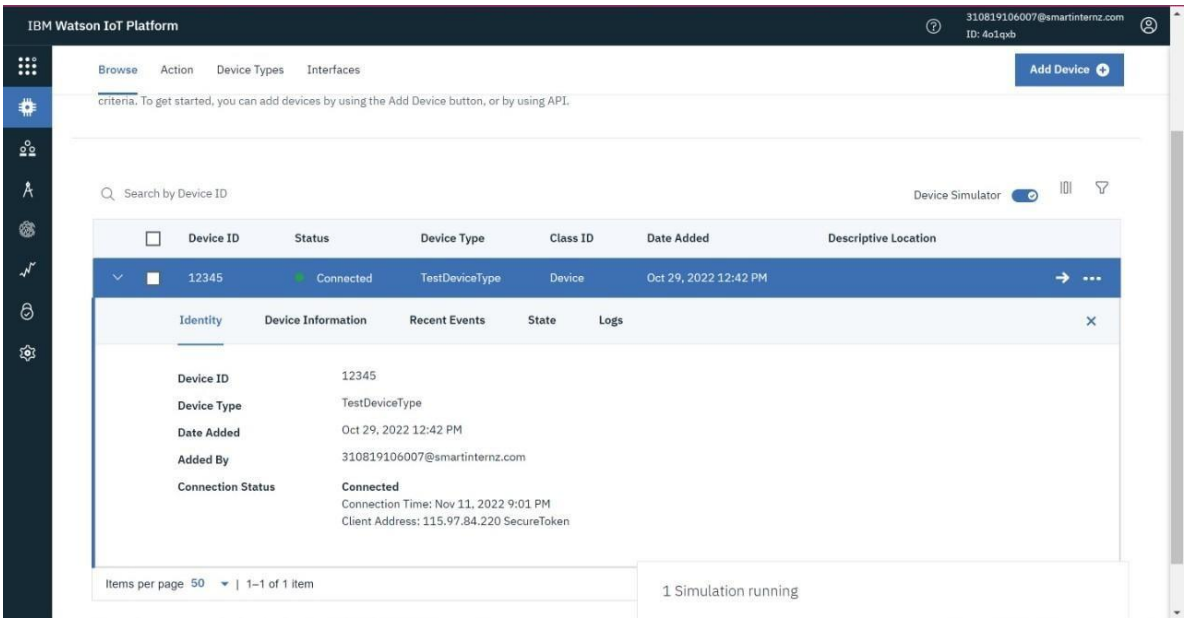
IOT Based Safety Gadget for Child Safety Monitoring & Notification

TEAM ID: PNT2022TMID06213

Creating and Connecting IBM cloud for Project and Python Code

Creating IBM Cloud Service and creating the device:



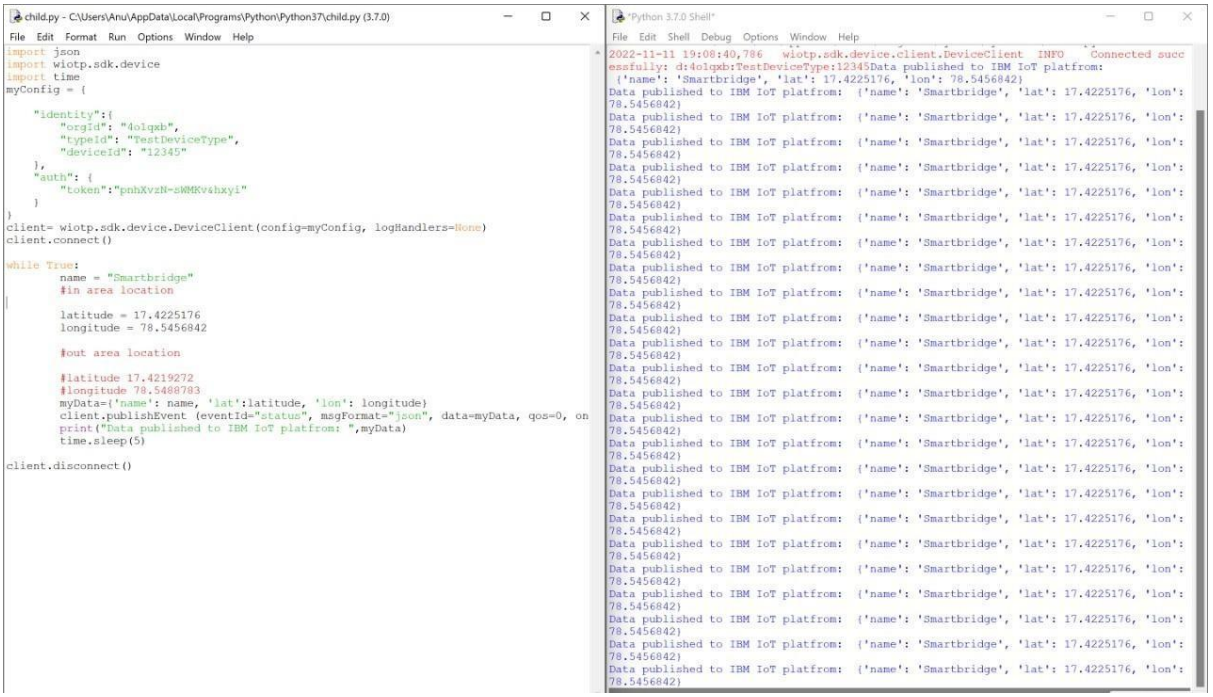


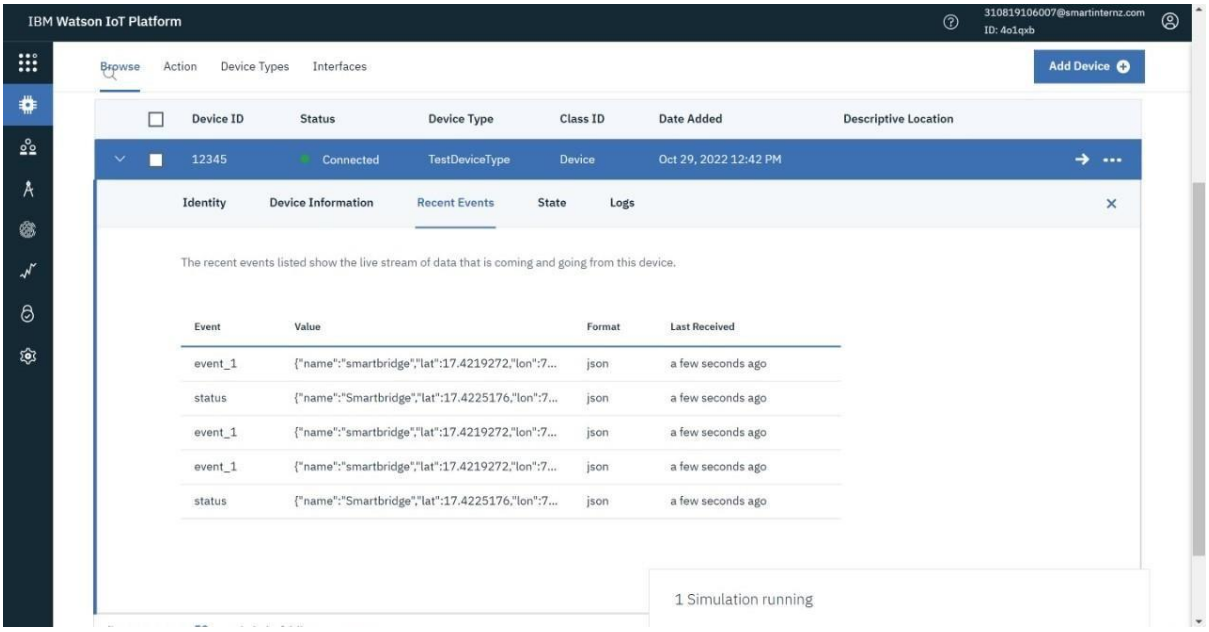
Creating Python Code:

```
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 platfrom: ", myData)
    time.sleep(5)

client.disconnect()
```

Connecting IBM Watson and python Code:

In-Area Location:





Out-Area Location: