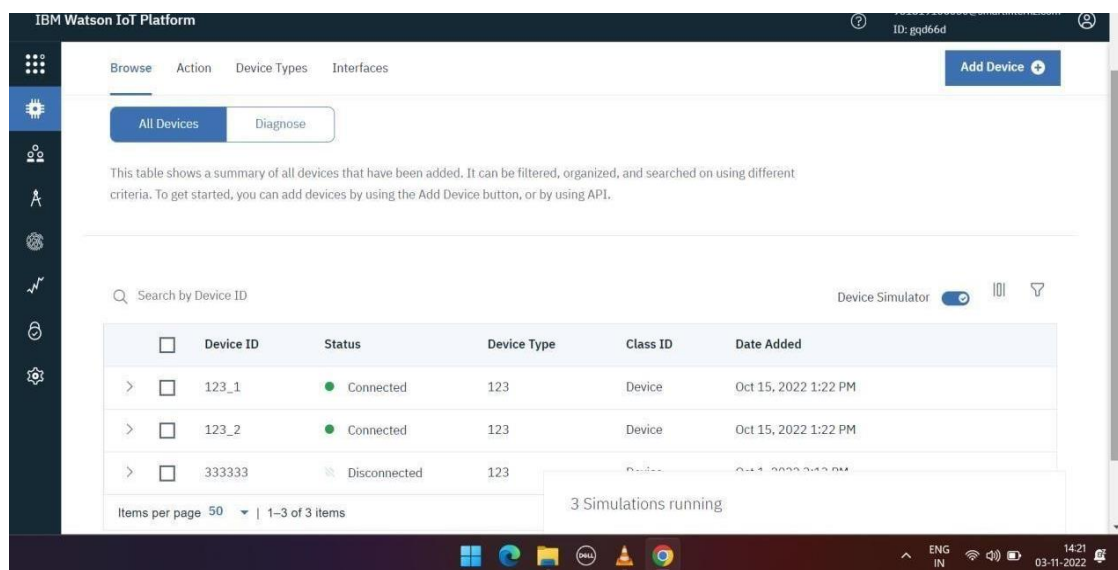


Safety Gadget for Child Safety Monitoring and Notification

SPRINT 1

TEAM ID	PNT2022TMID00858
Project Name	IOT-BASED CHILD MONITORING SYSTEM SURVEY USING THE RASPBERRY PI

Creating IBM Cloud Service and creating the device:



Creating Python Code:

```
python.py - C:/Users/PRINCE/AppData/Local/Programs/Python/Python37/python.py (3.7.0)
File Edit Format Run Options Window Help

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

myConfig = {
    #Configuration
    "identity": {
        "orgId": "ggd66d",
        "typeId": "123",
        "deviceId": "123456"
    },
    #API Key
    "auth": {
        "token": "12345678"
    }
}

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

while True:
    name="Child Location"
    latitude= random.uniform(8,9)#Random latitude value
    longitude= random.uniform(77,78)#Random longitude value
    #Data in json format
    myData={'name': name, 'lat': latitude, 'lon': longitude}
    #Publishing the data to the IoT Watson device
    client.publishEvent(eventId="status", msgFormat="json",data=myData, qos=0, onPublish= None)
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)
#disconnecting the device
client.disconnect()
```

Connecting IBM Watson and python Code:

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Device ID	Status	Device Type	Class ID	Date Added
123456	Connected	123	Device	Nov 11, 2022 12:12 PM

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":"Child Location","lat":8.820757678690...	json	a few seconds ago
status	{"name":"Child Location","lat":8.092005691881...	json	a few seconds ago
status	{"name":"Child Location","lat":8.106381618799...	json	a few seconds ago
status	{"name":"Child Location","lat":8.203007384691...	json	a few seconds ago

