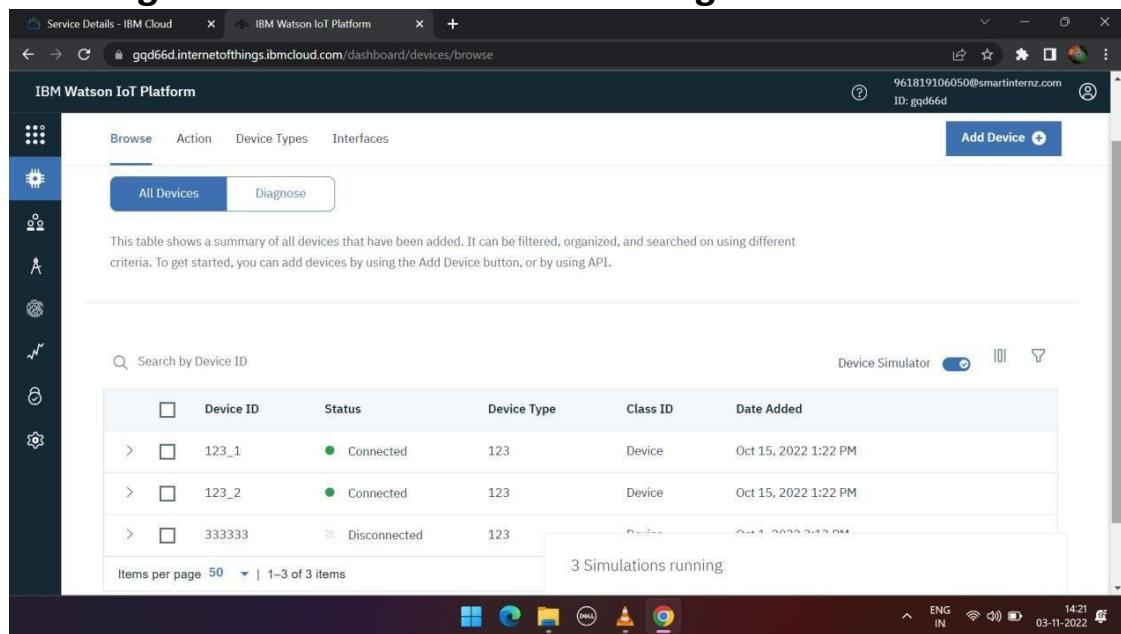


Safety Gadget for Child Safety Monitoring and Notification

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:



The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Service Details - IBM Cloud' and 'IBM Watson IoT Platform'. The main header says 'IBM Watson IoT Platform' and shows the user's email '961819106050@smartinternz.com' and ID 'gqd66d'. On the left is a sidebar with various icons. The main content area has tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces', with 'All Devices' selected. A large blue button at the top right says 'Add Device'. Below this is a search bar and a 'Device Simulator' toggle. The main table lists three devices:

	Device ID	Status	Device Type	Class ID	Date Added
>	123_1	Connected	123	Device	Oct 15, 2022 1:22 PM
>	123_2	Connected	123	Device	Oct 15, 2022 1:22 PM
>	333333	Disconnected	123	Device	Oct 15, 2022 1:22 PM

At the bottom, it says 'Items per page 50 | 1–3 of 3 items' and '3 Simulations running'. The status bar at the bottom right shows 'ENG IN' and the date '03-11-2022'.

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": "gqd66d",
        "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()

Activate Windows
Go to PC settings to activate Windows.

Ln: 24 Col: 30
2:29 PM 11/14/2022

```

Connecting IBM Watson and python Code:

The screenshot shows the IBM Watson IoT Platform dashboard. At the top, there's a navigation bar with various icons and links. Below it, a header bar displays the URL gqd66d.internetofthings.ibmcloud.com/dashboard/devices/browse. The main content area is titled "IBM Watson IoT Platform" and shows a table of devices. One device is listed: "Device ID" 123456, "Status" Connected, "Device Type" 123, "Class ID" Device, and "Date Added" Nov 11, 2022 12:12 PM. Below the table, a section titled "Recent Events" shows four entries for the "status" event, each with a timestamp of "a few seconds ago". The events are as follows:

Event	Value	Format	Last Received
status	{"name": "Child Location", "lat": 8.820757678690..., "lon": 77.092005691881...}	json	a few seconds ago
status	{"name": "Child Location", "lat": 8.092005691881..., "lon": 77.106381618799...}	json	a few seconds ago
status	{"name": "Child Location", "lat": 8.106381618799..., "lon": 77.203007384691...}	json	a few seconds ago

At the bottom right of the dashboard, there's an "Activate Windows" message with a link to "Go to PC settings to activate Windows". The taskbar at the bottom of the screen also shows the Python script icon.