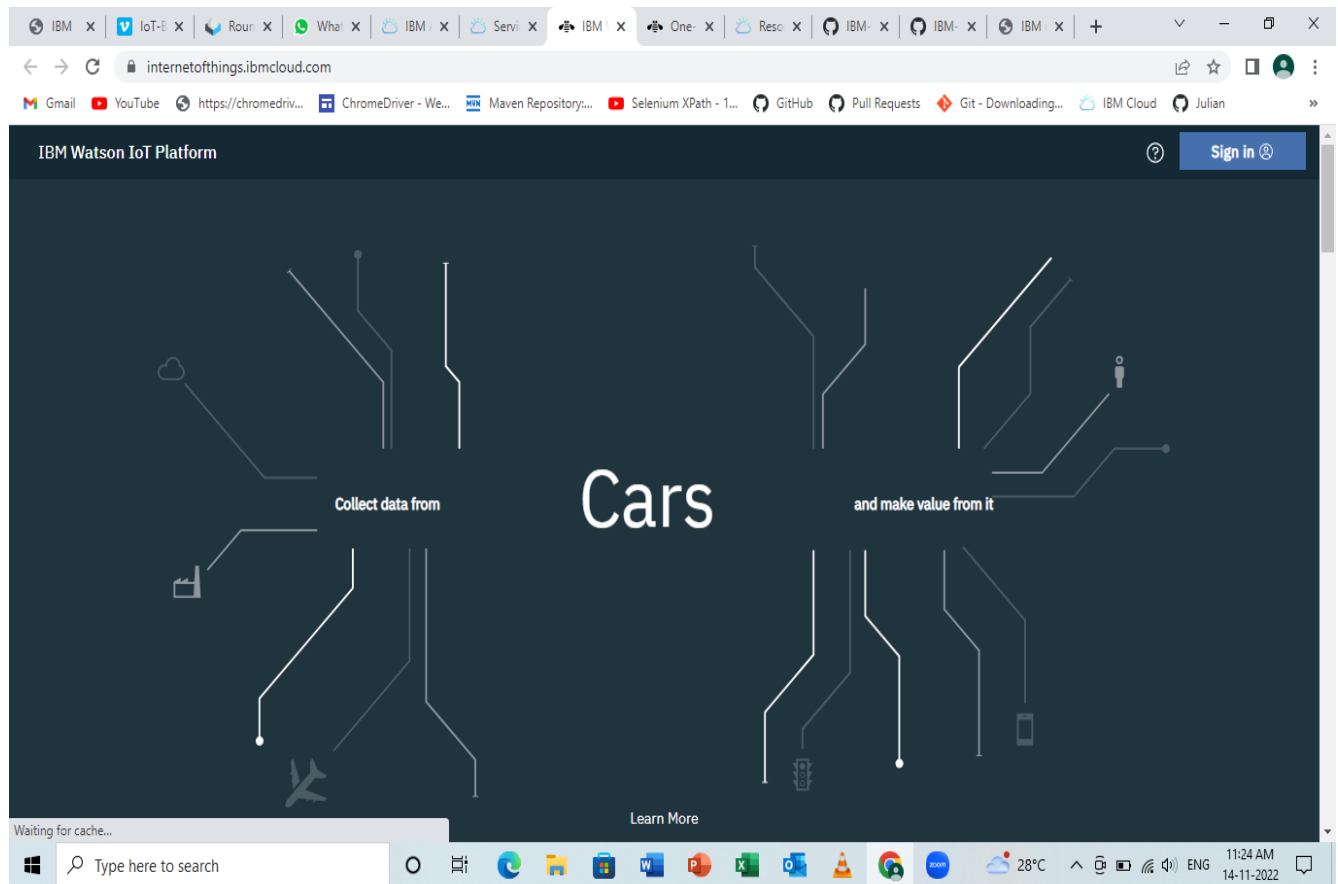


Project Development –Delivery plan sprint-2

IoT Based Safety Gadget for Child Safety Monitoring & Notification
TEAM ID:PNT2022TMID51475

Creating and Connecting IBM cloud for Project and Python Code Creating IBM Cloud Service and creating the device:



The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A table lists devices, with one device '12345' highlighted. A modal window displays details for this device:

Identity	Device Information	Recent Events	State	Logs
Device ID	12345			
Device Type	MyDeviceType			
Date Added	14 Nov 2022 11:37			
Added By	310819106036@smartinternz.com			
Connection Status	Connected			
	Connection Time: 14 Nov 2022 17:15			
	Client Address: 157.51.38.16 SecureToken			

At the bottom of the modal, it says '1 Simulation running'.

Creating python code:

```
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "jgry6x",
        "typeId": "MyDeviceType",
        "deviceId": "12345"
    },
    "auth": {
        "token": "*eB+Vs5Pb3m6f79Vnn"
    }
}
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:



1 Simulation running

