

Team ID - PNT2022TMID31301

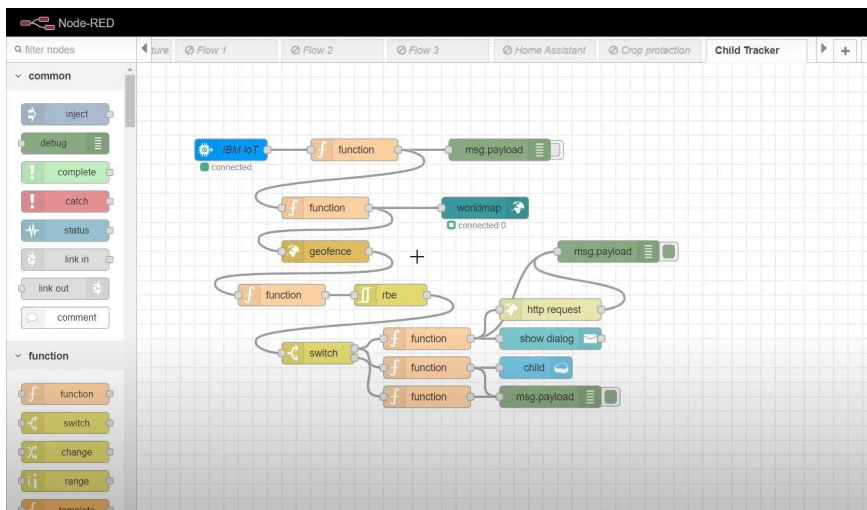
Project Name - IoT Based Safety Gadget For Child Safety Monitoring & Notification

Develop a Web Application Using Node-RED

To Develop a web application using Node-RED

Steps :

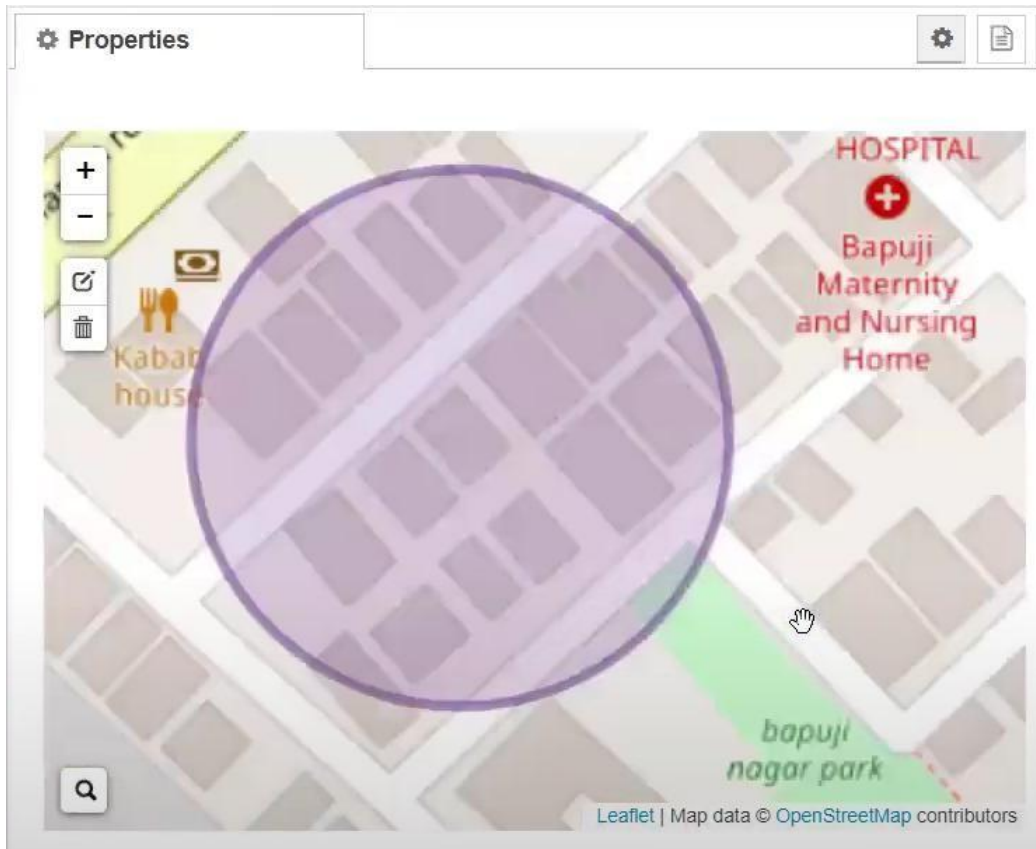
1. Open a Node-RED project



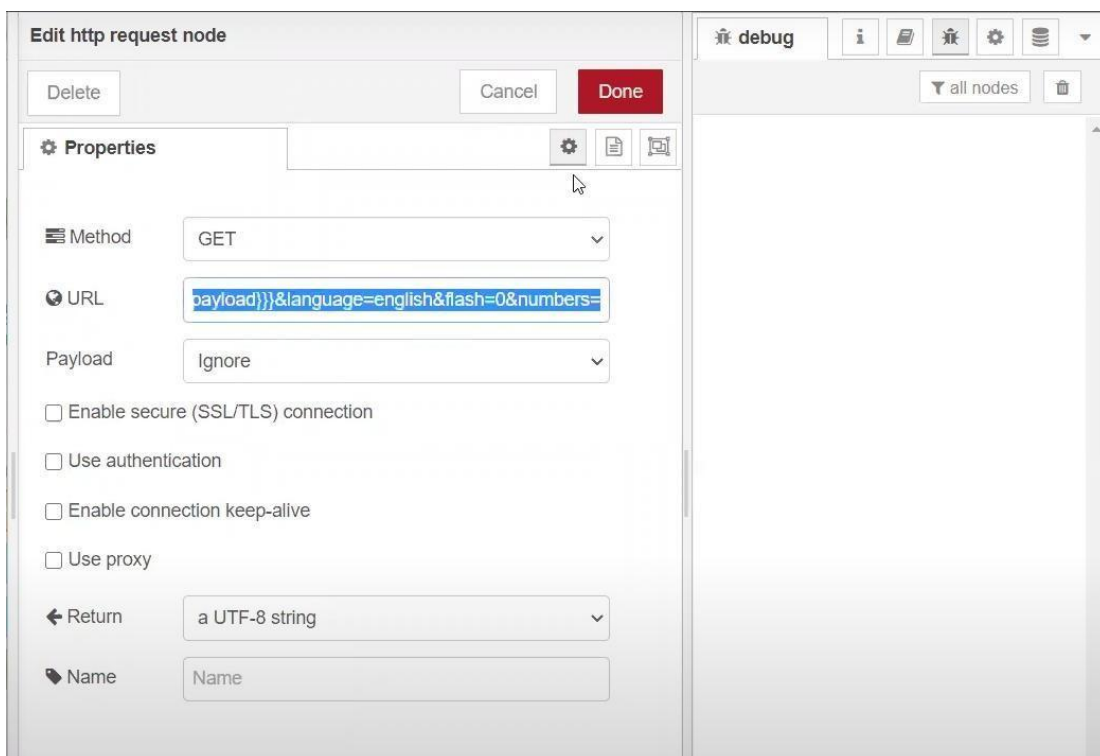
2. Add code to get child location in python

```
1 import json
2 import wiotp.sdk.device
3 import time
4
5
6 myConfig={
7     "identity": {
8         "orgId":"e609a4",
9         "typeId":"NodeMCU",
10        "deviceId":"21122112"
11    },
12    "auth": {
13        "token":"7339159958"
14    }
15 }
16
17 client=wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
18 client.connect()
19
20 while True:
21     name="Smartbridge"
22     latitude=17.4225176
23     longitude=78.5458842
24
25     myData={'name':name,'lat':latitude,'lon':longitude}
26     client.publishEvent(eventId='status',msgformat='json',data=myData,qos=0,onPublish=None)
27     print("data published to IBM IoT platform: ",myData)
28     time.sleep(5)
29
30 client.disconnect()
```

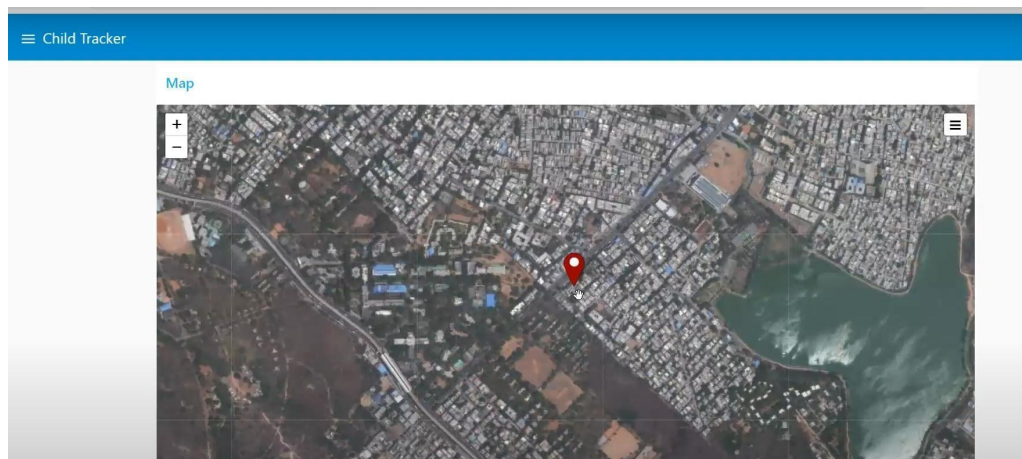
3. Create the GeoFence



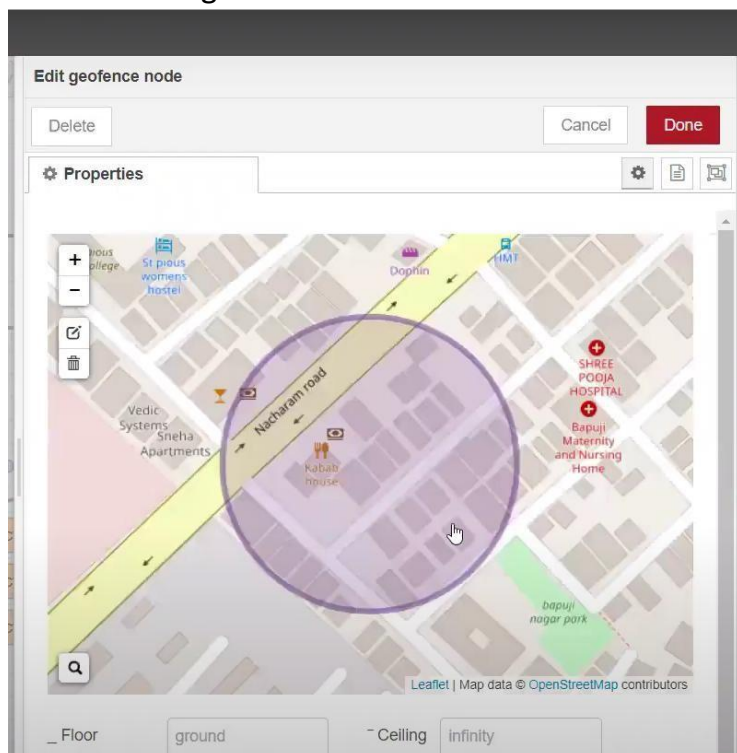
4. Edit the HTTP Request URL



5. Locate the child



6. Create the geofence node



7. Python script send requests to IBM Cloud

