SOURCE CODE
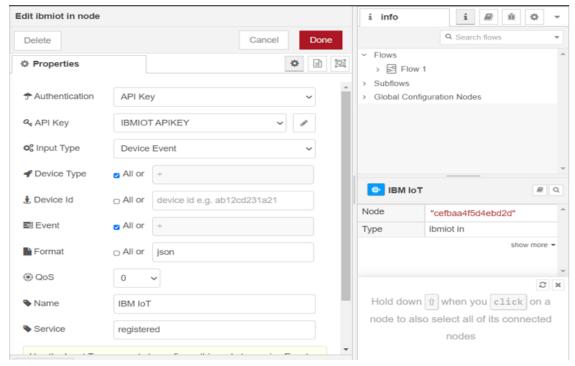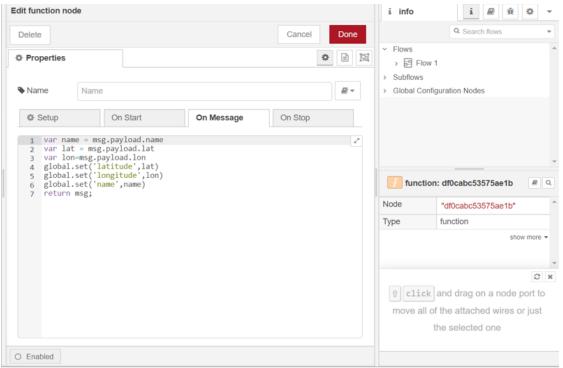
PYTHON SCRIPT:

```python
import time
import random
#import ibmiotf.application
import ibmiotf.device
import sys

config={
    "org":"phsvnq",
    "type" :"CS1",
    "id":"1234",
    "auth-method":"token",
    "auth-token":"123456789"
}
client= ibmiotf.device.Client (config)
client.connect()
def myCommandCallback (cmd):
    a=cmd.data
    if len(a["command"])==0:
        pass
    else:
        print(a["command"])
def pub (data):
    client.publishEvent (event="status", msgFormat="json",data=data, qos=0)
    print("Published data Successfully: %s",data)
while True:
    name= "Childtracker"

    #in area
    #latitude= 9.8796
    #longitude= 78.0810

    #out area
    latitude= 9.95143
    longitude= 78.1158

    data={'name': name, 'lat':latitude,'lon':longitude}
    pub(data)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

NODERED:

IBM IOT:

FUNCTIONS:

Edit function node

Delete   Cancel   **Done**

⚙ **Properties**   ⚙ 📄 🔲

🏷 Name | Name | 📑▾

| ⚙ Setup | On Start | **On Message** | On Stop |

```
1▾ msg.payload={
2      'name' : global.get('name'),
3      'lat' :global.get('latitude'),
4      'lon' :global.get('longitude')
5▴ }
6  return msg;
7
```

○ Enabled

🔍 Search flows

∨ Flows
  › 🗐 Flow 1
› Subflows
› Global Configuration Nodes

ƒ function: e619a9fc7a09192f   📓 🔍

| Node | "e619a9fc7a09192f" |
| Type | function |

show more ▾

🔄 ✖

`ctrl-space` will toggle the view of
this sidebar

Edit function node

Delete   Cancel   **Done**

⚙ **Properties**   ⚙ 📄 🔲

🏷 Name | Name | 📑▾

| ⚙ Setup | On Start | **On Message** | On Stop |

```
1  msg.payload=msg.location.inarea
2  return msg;
```

○ Enabled

🔍 Search flows

∨ Flows
  › 🗐 Flow 1
› Subflows
› Global Configuration Nodes

ƒ function: 3ae6936c747ed29e   📓 🔍

| Node | "3ae6936c747ed29e" |
| Type | function |

show more ▾

🔄 ✖

`ctrl-space` will toggle the view of
this sidebar

Edit function node

Delete   Cancel   Done

⚙ Properties

🏷 Name   [Name]

[⚙ Setup] [On Start] [**On Message**] [On Stop]

```
1   var d=new Date()
2
3   var utc =d.getTime()+(d.getTimezoneOffset()*60000);
4
5   var offset =5.5;
6
7   var newDate =new Date(utc+(3600000*offset));
8
9   msg.payload = {
10      "message" : "exit",
11      "Time" : newDate.toLocaleString(),
12      "name" : global.get('name'),
13      "lat" : global.get('latitude'),
14      "lon" : global.get('longitude'),
15  };
16  return msg;
```

○ Enabled

ℹ info

🔍 Search flows

∨ Flows
  > 🖺 Flow 1
> Subflows
> Global Configuration Nodes

f function: 0eec21f06f6ceb8d

Node	"0eec21f06f6ceb8d"
Type	function

show more ▾

Edit function node

Delete   Cancel   Done

⚙ Properties

🏷 Name   [Name]

[⚙ Setup] [On Start] [**On Message**] [On Stop]

```
1   var d = new Date()
2
3   var utc = d.getTime() + (d.getTimezoneOffset() * 60000);
4
5   var offset = 5.5;
6
7   var newDate = new Date(utc + (3600000 * offset));
8
9   msg.payload = {
10      "message": "entry",
11      "Time": newDate.toLocaleString(),
12      "name": global.get('name'),
13      "lat": global.get('latitude'),
14      "lon": global.get('longitude'),
15  };
16  return msg;
```

○ Enabled

ℹ info

🔍 Search flows

∨ Flows
  > 🖺 Flow 1
> Subflows
> Global Configuration Nodes

f function: deafe1b76a81661e

Node	"deafe1b76a81661e"
Type	function

show more ▾

GEOFENCE:

CLOUDANT:

WORLDMAP NODE:

Edit worldmap node

Delete   Cancel   Done

⚙ Properties

⊞ Group	[ChildTracker] Map ▾ ✎
⊠ Size	auto
⊕ Start	Latitude Longitude Zoom
	9.8795 78.0810 1 - 18
☰ Map list	7 selected ▾
𝄃 Base map	OpenStreetMap Greyscale ▾
📖 Overlays	5 selected ▾
⊙ Cluster when	zoom level is less than 0 (0,off - 19)
⏱ Max age	Remove markers after 600 seconds
👤 User menu	Hide ▾ ☰ Layer menu Hide ▾
🔒 Lock map	False ▾ 🔒 Lock zoom False ▾

○ Enabled

ℹ info   i 📖 🐞 ⚙ ▾

🔍 Search flows ▾

∨ Flows
     › ▤ Flow 1
› Subflows
› Global Configuration Nodes

✈ worldmap   📖 🔍

Node	"8cef7429c18e85b8"
Type	ui_worldmap

show more ▾

⟳ ✕

Switch flow tabs with `ctrl-[` and `ctrl-]`

SWITCH NODE:

DEBUG NODE:

NOTIFICATION NODE:

Edit notification node

Delete   Cancel   Done

⚙ Properties   ⚙ 🗎 🔲

▦ Layout   OK / Cancel Dialog   ⌄

→ Send to all browser sessions. ☑

✔ Default
action label   OK

✖ Secondary
action label   Cancel

⚠ Accept raw HTML/JavaScript input in msg.payload to format popup. ☐

</> Class   [msg.className]

▤ Topic   [msg.topic]

🏷 Name   Name

Note: checking *Accept raw HTML/JavaScript* can allow injection of code.
Ensure the input comes from trusted sources.

○ Enabled

ℹ info   i 📕 🐞 ⚙ ▾

🔍 Search flows   ▾

⌄ Flows
  › ⛶ Flow 1
› Subflows
› Global Configuration Nodes

✉ show dialog   📕 🔍

Node	"e137e2b1c05fcf69"
Type	ui_toast

show more ▾

🗘 ✖

Hold down ⇧ when you click on a

node to also select all of its connected

nodes