

Safety Gadget for Child Safety Monitoring and Notification

Project Development –Delivery of Sprint 2

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

Creating Node-Red service:

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow with the following components:

- IBM IoT** node connected to a **function** node.
- The first **function** node is connected to a **msg.payload** node.
- The **msg.payload** node is connected to another **function** node.
- This second **function** node is connected to a **worldmap** node.
- The **worldmap** node is connected to a **geofence** node.
- The **geofence** node is connected to a **function** node.
- This **function** node is connected to a **filter** node.
- The **filter** node is connected to a **switch** node.
- The **switch** node has three outputs, each connected to a **function** node.
- The first output **function** node is connected to an **http request** node.
- The second output **function** node is connected to a **Show dialog** node.
- The third output **function** node is connected to a **child** node.
- The **http request** node is connected to a **msg.payload** node.
- The **Show dialog** node is connected to a **msg.payload** node.
- The **child** node is connected to a **msg.payload** node.

The right sidebar shows the **debug** console with the following log entries:

```
msg.payload: Object
{
  name: "Child Location", lat:
  8.506098689044688, lon:
  77.07996015588634 }
11/14/2022, 2:04:11 PM node: 6ccfd544f13b1ea8
msg: string[28]
"non-http transport requested"
11/14/2022, 2:04:11 PM node: fafa9e678a879a5
iot-2?type/123/id/123456/evt/status/fmt/json:
msg.payload: string[28]
"child is out of the geofence"
11/14/2022, 2:04:11 PM node: 4634cb01855b2a0
iot-2?type/123/id/123456/evt/status/fmt/json:
msg.payload: Object
{
  message: "Entry", Time:
  "11/14/2022, 2:04:09 PM", name:
  "Child Location", lat:
  8.506098689044688, lon:
  77.07996015588634 }
11/14/2022, 2:04:11 PM node: 9f534d34a588681
iot-2?type/123/id/123456/evt/status/fmt/json:
msg.payload: Object
```

Connecting with IBM Cloud:

Using IBM IOT node through API key

