

Safety Gadget for Child Safety Monitoring and Notification

Project Development –Delivery of Sprint 2

Team ID	PNT2022TMID52225
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

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: an 'IBM IoT' node connected to a 'function' node, which then connects to a 'msg.payload' output. Below this, there's a 'worldmap' node connected to a 'function' node, which connects to a 'geofence' node. The 'geofence' node connects to a 'function' node, which then connects to a 'filter' node. The 'filter' node connects to a 'switch' node. The 'switch' node has three outputs: one to a 'function' node connected to an 'http request' node, another to a 'function' node connected to a 'Show dialog' node, and a third to a 'function' node connected to a 'child' node. The 'child' node connects to a 'msg.payload' output. The 'http request' node connects to a 'msg.payload' output. The 'Show dialog' node connects to a 'msg.payload' output. The 'debug' console on the right shows the following log entries:

```
11/14/2022, 2:04:11 PM node: 6cfd544f13b1ea8  
msg: string[28]  
"non-http transport requested"  
11/14/2022, 2:04:11 PM node: fafa9e678a879a5  
iot-2hype/123/ld/123456/evl/status/fmljson :  
msg.payload : string[28]  
"child is out of the geofence"  
11/14/2022, 2:04:11 PM node: 4634cb01855b2a0  
iot-2hype/123/ld/123456/evl/status/fmljson :  
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-2hype/123/ld/123456/evl/status/fmljson :  
msg.payload : Object
```

Connecting with IBM Cloud: Using IBM IOT node through API key

Service Details - IBM Cloud x IBM Watson IoT Platform x +

gqd66d.internetofthings.ibmcloud.com/dashboard/apps/browse/add

IBM Watson IoT Platform 961819106050@smartinternz.com ID: gqd66d

Browse IBM Cloud Apps

The API key has been added.

Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token.

Generated Details

API Key	a-gqd66d-7tenc9fshj
Authentication Token	?QDH@MdrSVHE?Od61j

Make a note of the generated authentication token. Lost authentication tokens cannot be recovered. If you lose the token, you must reregister the API to generate a new token.

API Key Information

Description	-
Role	Standard Application
Expires	Never

3 Simulations running

ENG IN 18:12 05-11-2022

Service Details - IBM Cloud x +

cloud.ibm.com/services/cloudantnosqldb/cm%3Av1%3Abluemix%3Apublic%3Acloudantnosqldb%3AAu-syd%3Aa%2F5c4b76ed493b48d0a76f8e131...

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Resource list / node-red-oppit-2022--cloudant-1665219165542 Active Add tags Details Actions...

Manage

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Plan

Connections

Search credentials... New credential

Key name	Date created
f991e1eb-f4f7-45cf-a6db-93c7319e0b81	2022-10-08 2:23 PM

ENG IN 18:41 03-11-2022