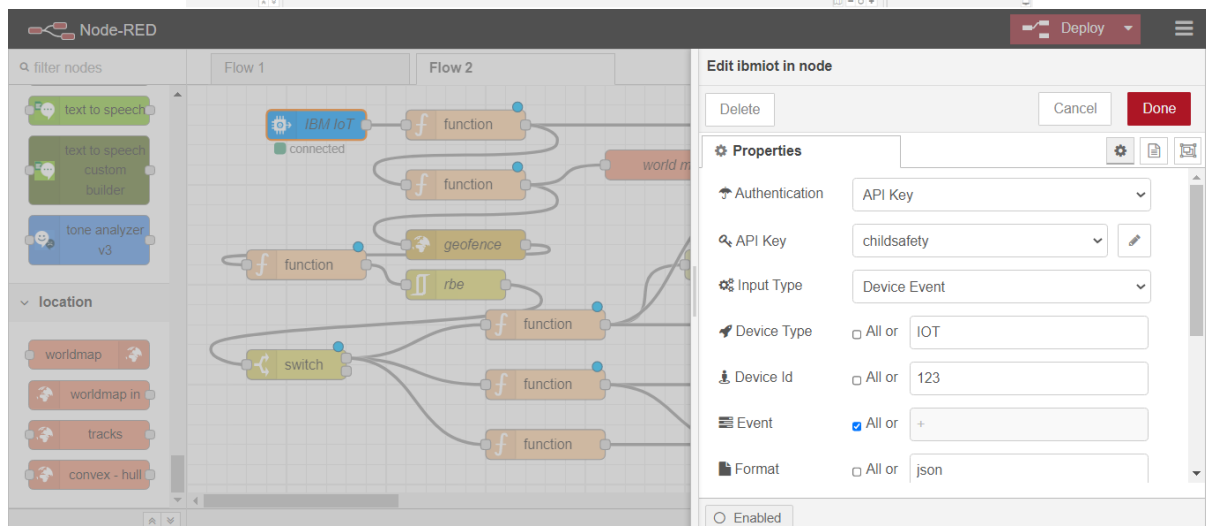
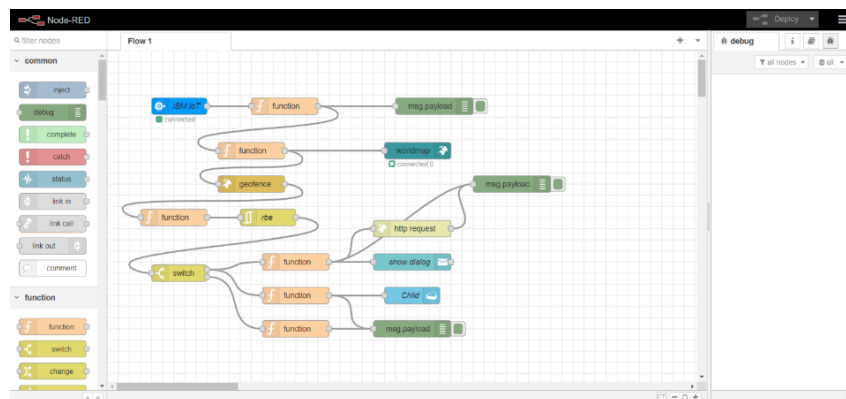


PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT - DELIVERY OF SPRINT-3

Date	17 November 2022
Team ID	PNT2022TMID34017
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification

Node red:



[illegible]

The screenshot displays the Node-RED web interface. On the left, the 'filter nodes' sidebar shows categories like 'location' and 'worldmap'. The main workspace contains a complex flow with various nodes including 'text to speech', 'tone analyzer', 'worldmap', 'worldmap in', 'tracks', 'convex - hull', 'switch', 'function', 'geofence', 'rbe', and 'world map'. The 'Edit debug node' panel is open on the right, showing properties for the selected node, such as 'Output' (msg payload), 'To' (debug window), and 'Name'.

The screenshot displays the Node-RED web interface. On the left, the 'filter nodes' sidebar shows categories like 'text to speech', 'location', and 'geofence'. The main workspace contains a flow with the following nodes: an 'IBM IoT' trigger (labeled 'connected'), a 'function' node, a 'geofence' node, an 'rbe' node, a 'switch' node, and three 'function' nodes connected to the switch. The right sidebar is open to the 'Edit function node' dialog, showing the 'On Message' tab with the following JavaScript code:

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

At the bottom of the right sidebar, there is a checkbox labeled 'Enabled' which is currently unchecked.

Node-RED

Flow 1 Flow 2

filter nodes

text to speech
text to speech custom builder
tone analyzer v3

location

worldmap
worldmap in
tracks
convex - hull

IBM IoT
connected

function

geofence

rbe

switch

worldmap

Edit worldmap node

Delete Cancel Done

Properties

Start Latitude Longitude Zoom

17.4225176 78.5458842 16

Map list 7 selected

Base map ESRI Satellite

Overlays 5 selected

Cluster when zoom level is less than 0 (0, off - 19)

Max age Remove markers after 600 seconds

Enabled

Node-RED

Flow 1 Flow 2

filter nodes

text to speech
text to speech custom builder
tone analyzer v3

location

worldmap
worldmap in
tracks
convex - hull

IBM IoT
connected

function

geofence

rbe

switch

worldmap

Edit function node

Delete Cancel Done

Properties

Name

Setup On Start On Message On Stop

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

Enabled

Node-RED

Flow 1 Flow 2

filter nodes

text to speech
text to speech custom builder
tone analyzer v3

location

worldmap
worldmap in
tracks
convex - hull

IBM IoT
connected

function

geofence

rbe

switch

worldmap

Edit filter node

Delete Cancel Done

Properties

Mode block unless value changes

Property msg.payload

Apply mode separately for each

msg.topic

Name rbe

Enabled

Node-RED

filter nodes

Flow 1

Flow 2

text to speech

text to speech custom builder

tone analyzer v3

location

worldmap

worldmap in

tracks

convex - hull

IBM IoT

connected

function

function

function

function

geofence

rbe

switch

world

Edit switch node

Delete

Cancel

Done

Properties

Name

Property

msg.payload

is false

is true

checking all rules

Enabled

Node-RED

filter nodes

Flow 1

Flow 2

text to speech

text to speech custom builder

tone analyzer v3

location

worldmap

worldmap in

tracks

convex - hull

IBM IoT

connected

function

function

function

function

geofence

rbe

switch

world

Edit function node

Delete

Cancel

Done

Properties

Name

Setup

On Start

On Message

On Stop

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

Enabled

Node-RED

filter nodes

Flow 1

Flow 2

text to speech

text to speech custom builder

tone analyzer v3

location

worldmap

worldmap in

tracks

convex - hull

IBM IoT

connected

function

function

function

function

geofence

rbe

switch

world

Edit function node

Delete

Cancel

Done

Properties

Name

Setup

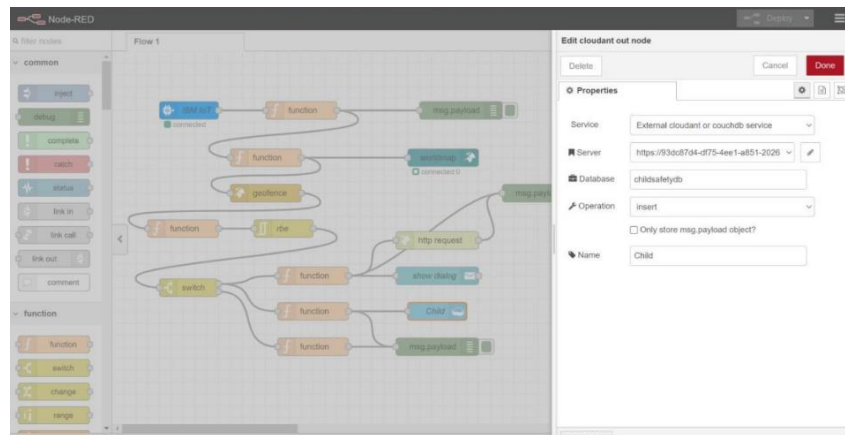
On Start

On Message

On Stop

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

Enabled



Browse IBM Cloud Apps [Generate API Key](#)

Browse API Keys

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

<input type="checkbox"/>	Key	Description	Role	Expires	
2 results					
<input type="checkbox"/>	a-4c1qyb-d5wguevbf	-	Standard Application	-	<input type="checkbox"/>
<input type="checkbox"/>	a-4c1qyb-ecmyqezbze	API Key for the device simulator	Standard Application	-	<input type="checkbox"/>

1 Simulations running [App using your microphone](#)

Browse IBM Cloud Apps [Generate API Key](#)

Browse API Keys

This table shows a summary of the API keys that have been added for the organization. It can be filtered, organized, and search on using different criteria. To get started, you can add API keys by clicking Generate API Key, or by using the API. For more information about adding API keys, see [API key connection](#).

<input type="checkbox"/>	Key	Description	Role	Expires	
2 results					
<input checked="" type="checkbox"/>	a-4c1qyb-d5wguevbf	-	Standard Application	-	

API Key Information

Key	a-4c1qyb-d5wguevbf	Last Edited By	310819106007@smarterintenz.com
Description	-	Expires	Never
Date Added	Nov 10, 2022 2:20 PM		
Last Update	Nov 10, 2022 2:20 PM		

