

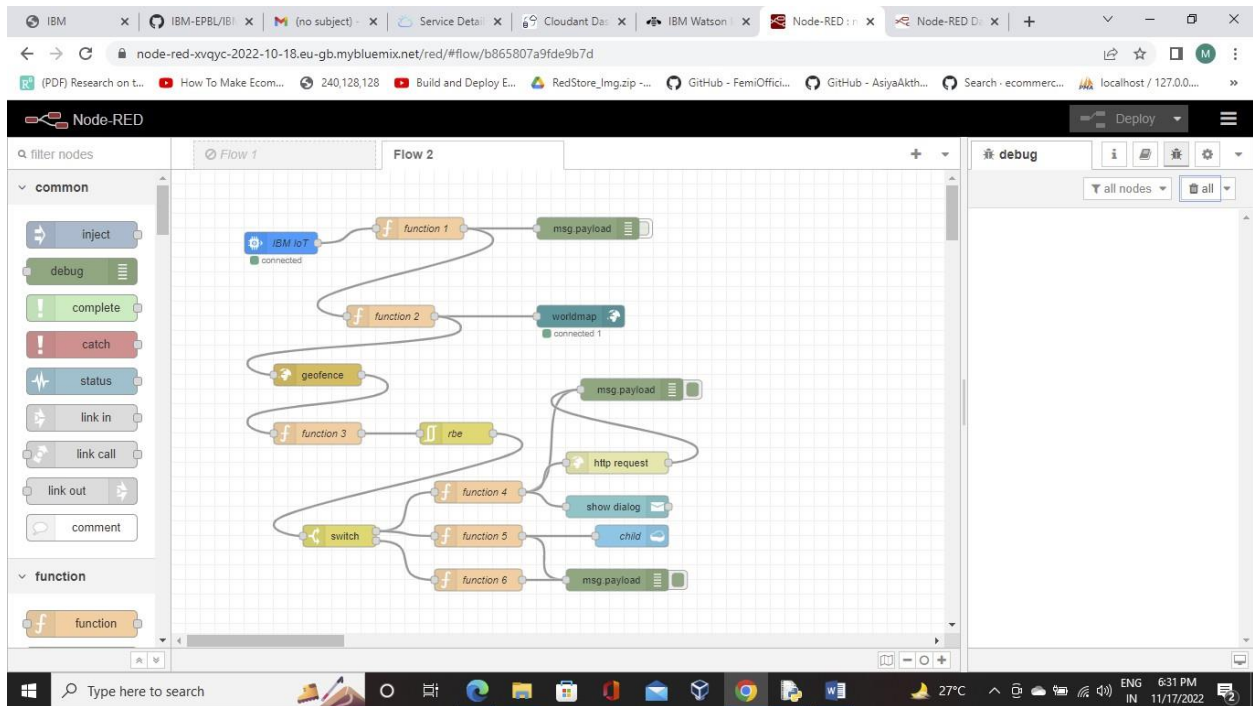
Project Development - Sprint 3

Iot Based Safety For Child Safety Monitoring & Notification

TEAM ID:PNT2022TMID53721

Creating Node-Red Service and connecting with IBM cloud

Creating Node-Red Service :



Codes in Each Node :

The screenshot shows the Node-RED web interface. On the left, the 'common' node palette is visible. The main workspace contains a flow with an 'IBM IoT' node connected to 'function 1', 'function 2', and 'function 3'. The 'Edit ibmiot in node' dialog is open, displaying the following properties:

- Authentication: API Key
- API Key: child_location
- Input Type: Device Event
- Device Type: ☐ All or safetygad
- Device Id: ☐ All or gad1
- Event: ☒ All or +
- Format: ☐ All or json
- QoS: 0
- Name: IBM IoT
- ☐ Enabled

The bottom status bar shows the system clock as 6:34 PM on 11/17/2022.

The screenshot shows the Node-RED web interface with the 'Edit function node' dialog open. The dialog displays the following properties and code:

- Name: function 1
- Setup: ☐ On Start ☒ On Message ☐ On Stop
- Code:

```
1 var name = msg.payload.name;
2 var lat = msg.payload.lat;
3 var lon = msg.payload.lon;
4 global.set('latitude',lat);
5 global.set('longitude',lon);
6 global.set('name',name);
7 return msg;
```

The bottom status bar shows the system clock as 6:34 PM on 11/17/2022.

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7 return msg;

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2 return msg;

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F Properties a

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0 Setup On Start On Message On Stop

```
car d = new Date();  
  
3 var utc = d.getTime()      (d.getTime7oneOffset() * 60000);  
4  
    var    offset    =  5.5;  
6  
7    newnate = new Date(utc +(3600000*offset));  
  
g    msg. payload = {  
10      "message": " Exit ",  
11      "Time"  newDate toLocaleSt ring( ),  
12      "name"   .get( ' name '),  
13      "tat": global.get( ' latitude' ),  
14      "ton":  global.  get(   longitude'  
15 -  
16  
13 return msg;
```

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Node-RED

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```
var d = new Date();  
2  
3 var utc = d.getTime( )      (d. getTimeioneOff set() 60000);  
4  
    var    offset    =  5.5;  
6  
7    newDate = new Date(utc -i(3000000*offset));  
  
g    msg. payload = {  
10      "message": " Entry",  
11      "Time"  newDate toLocaleSt ring( ),  
12      "name" :global.get( ' name '),  
13      "tat": global.get( ' latitude' ),  
14      "ion":  global.  get(   longitude'  
15 -;  
16  
17 return msg.;
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