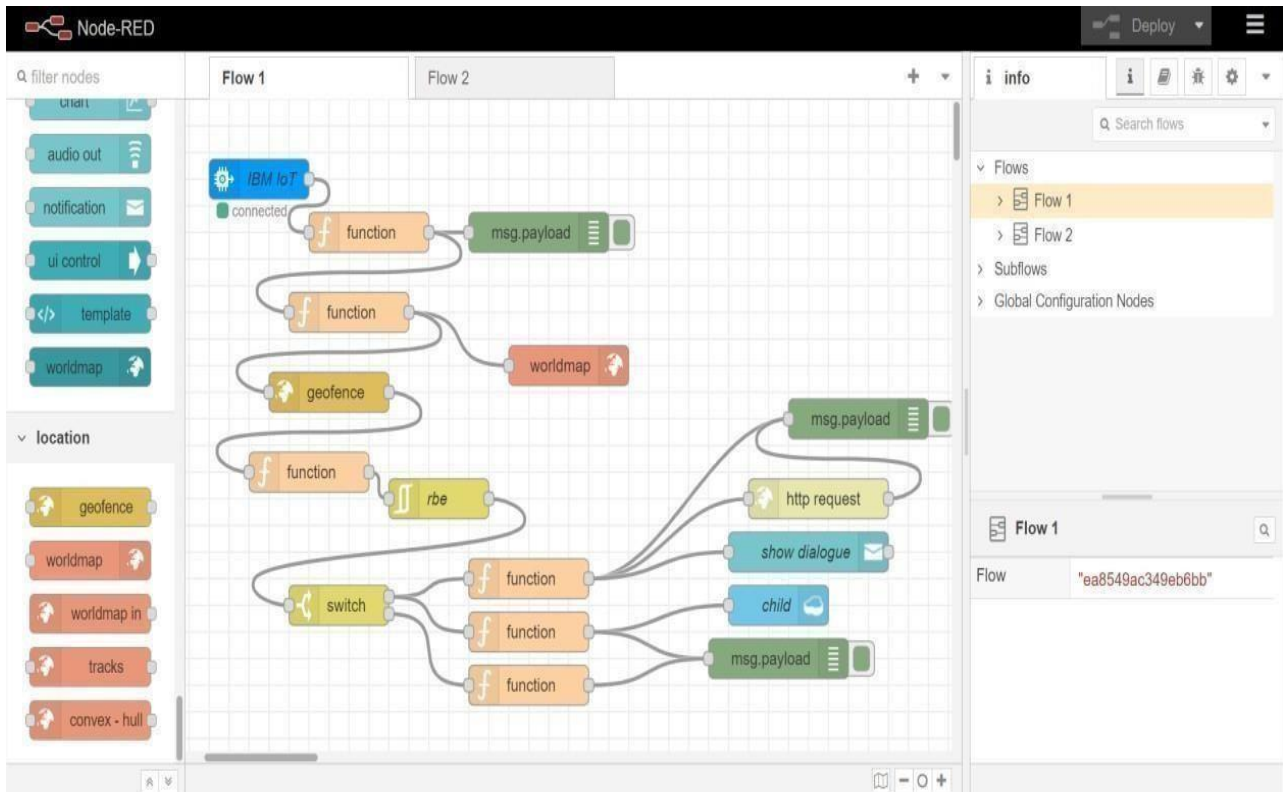


## Project Development Phase SPRINT-3

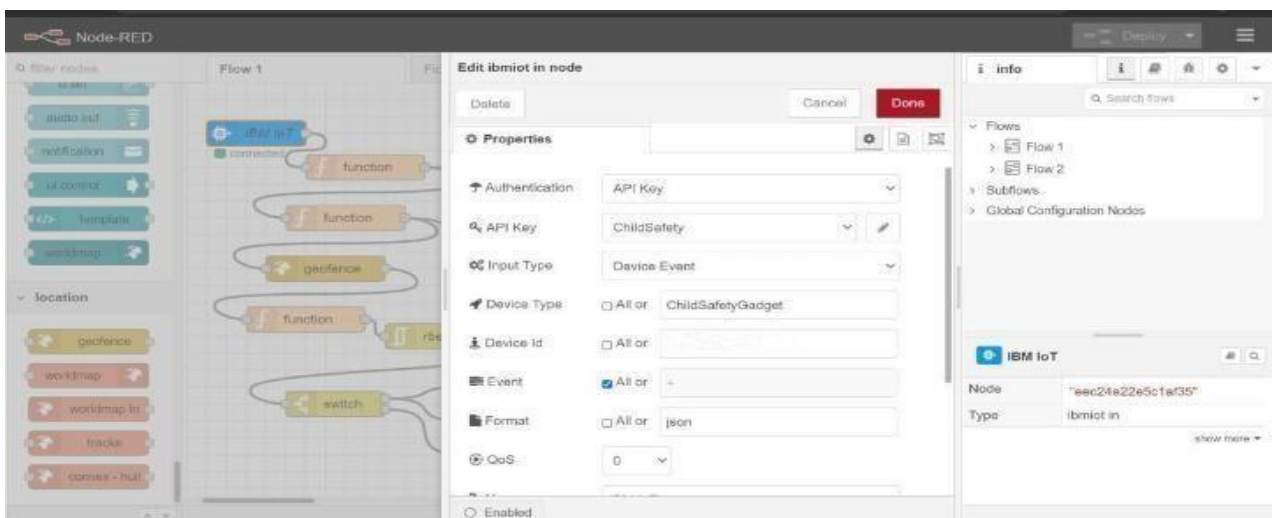
Date	8 November 2022
Team ID	PNT2022TMID25450
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring&Notification

### NODE RED-Cloudant DB Communication:

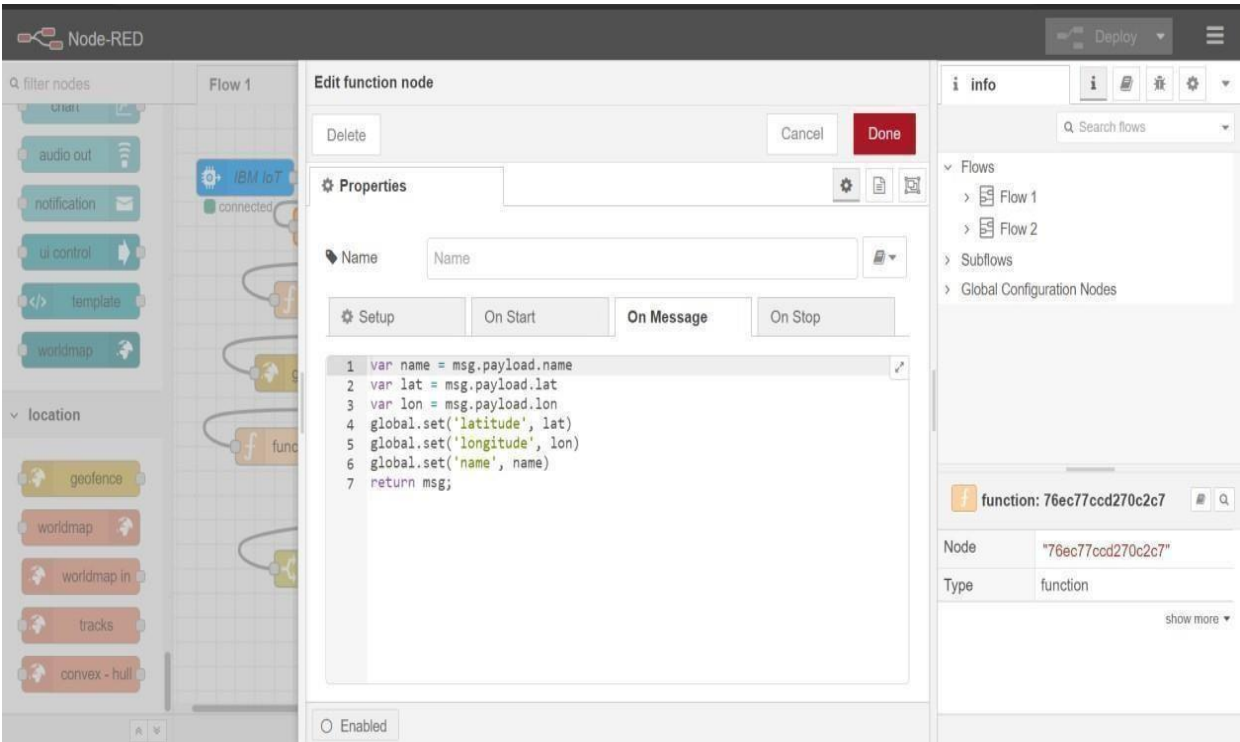
#### Step 1:Connections



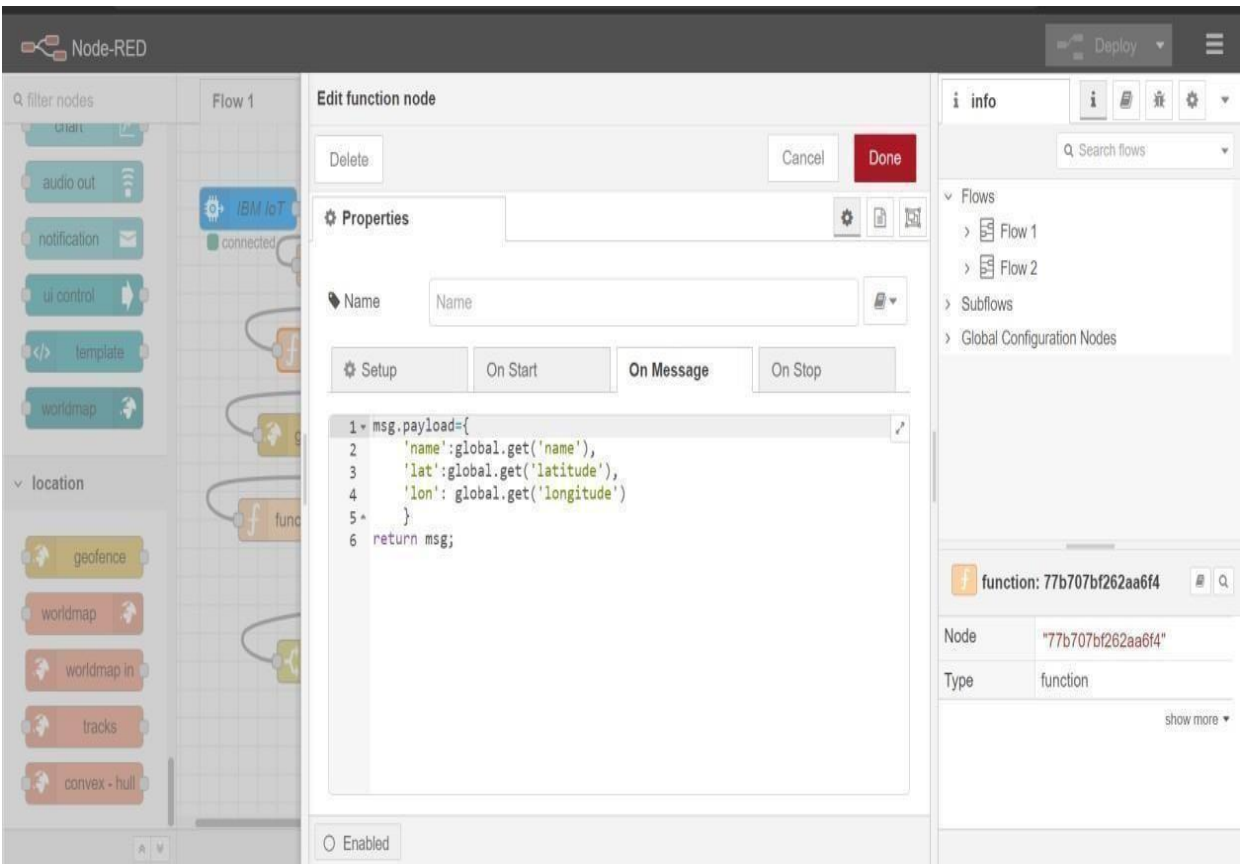
#### Step 2: Code in nodes



Step 3:Edit function mode(code)

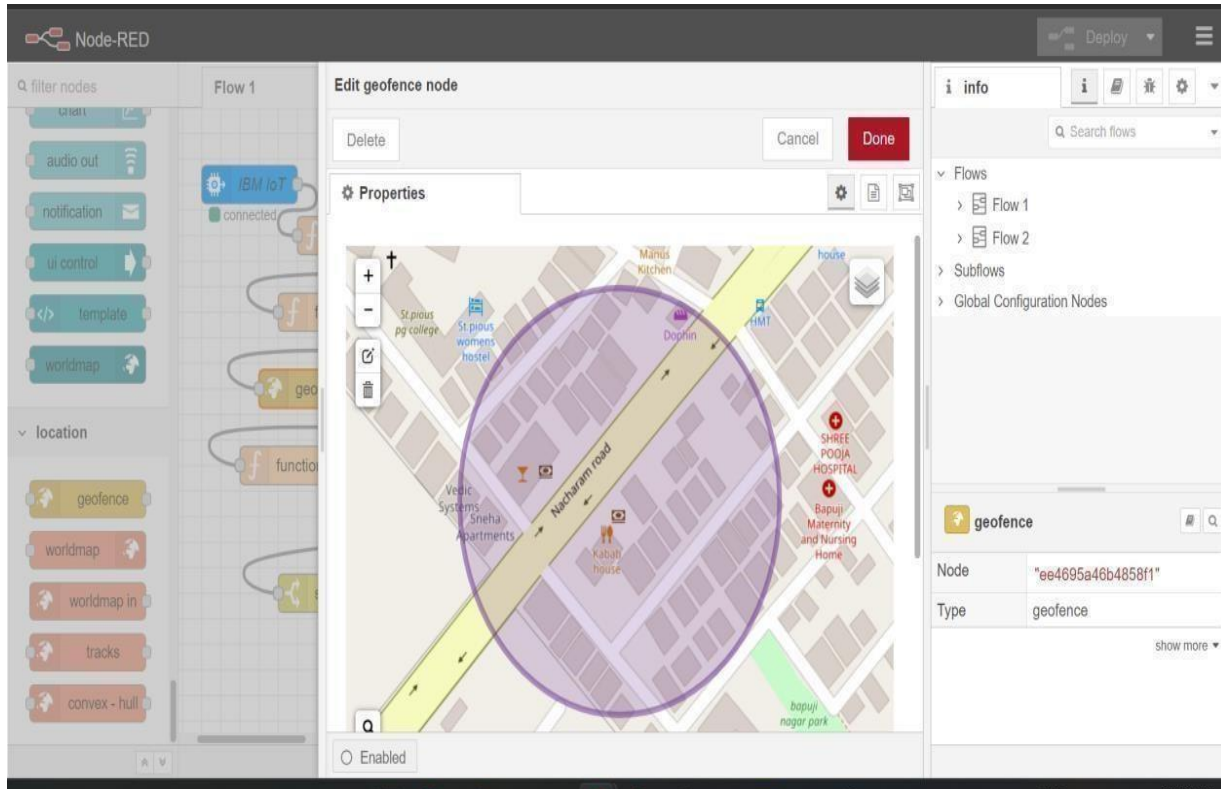


Step 4:



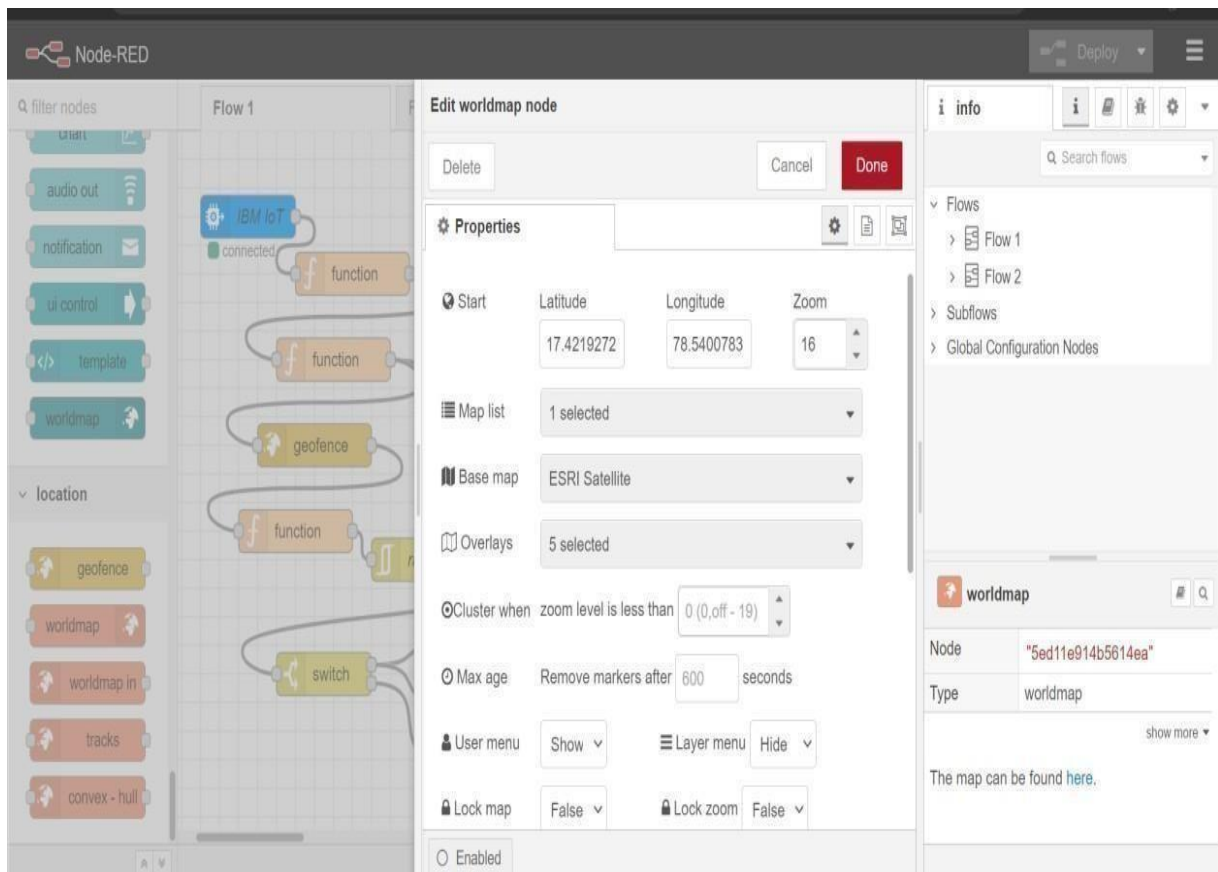
Step

## 5: Geofencing mode

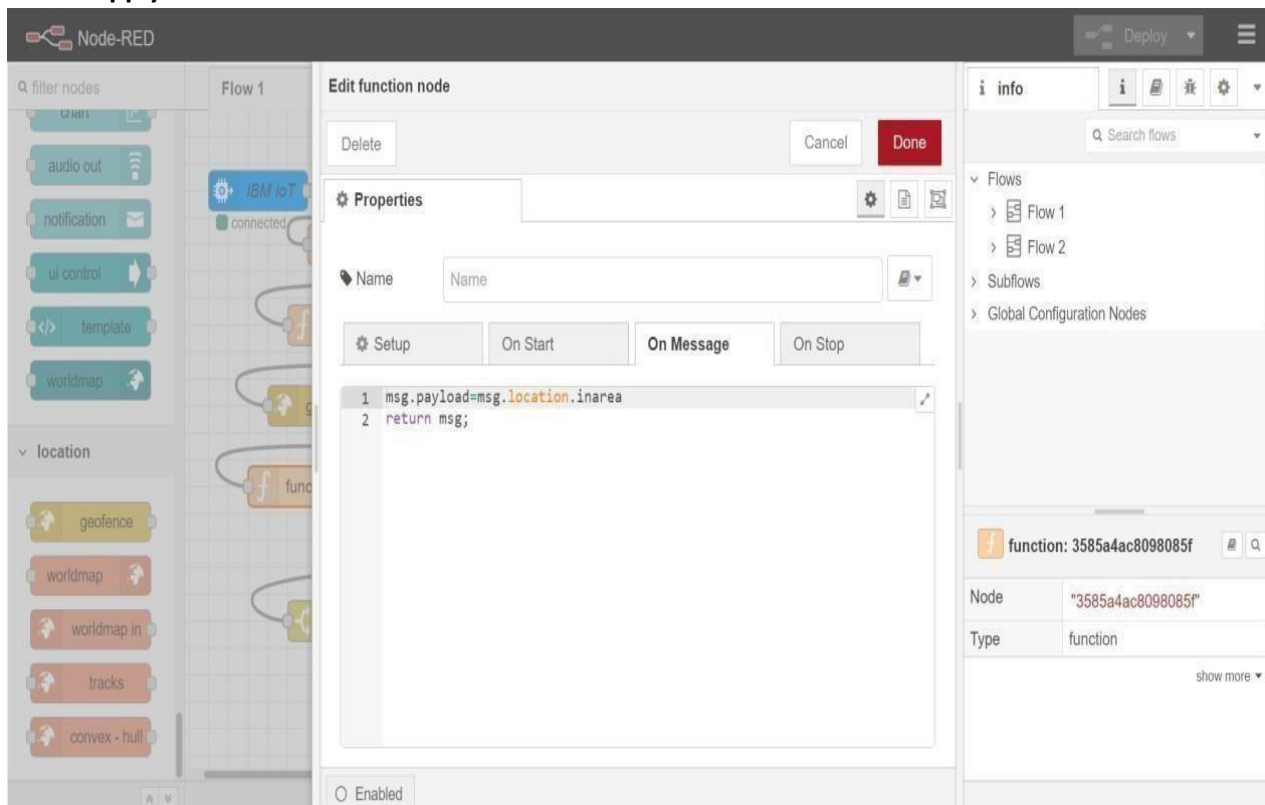


## Step 6: Worldmap node with properties

Step

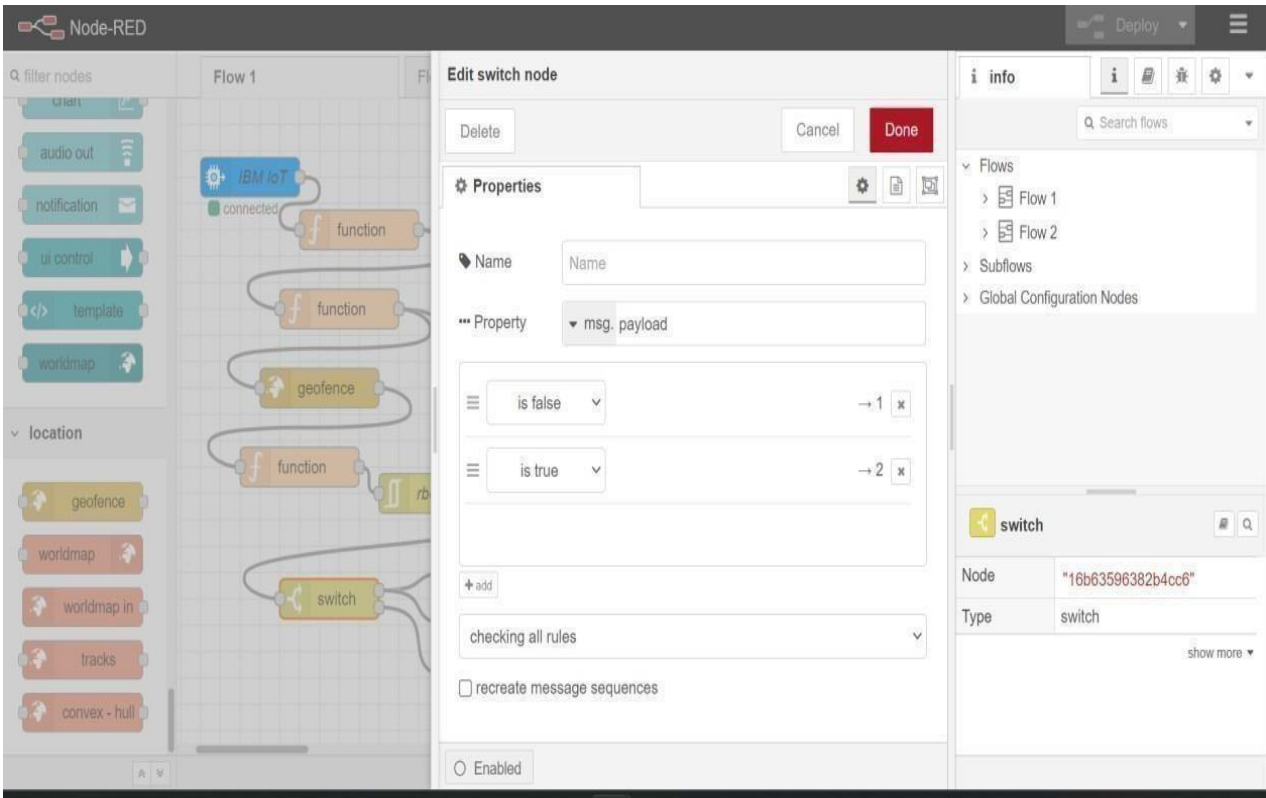


## 7: Apply the code with different node

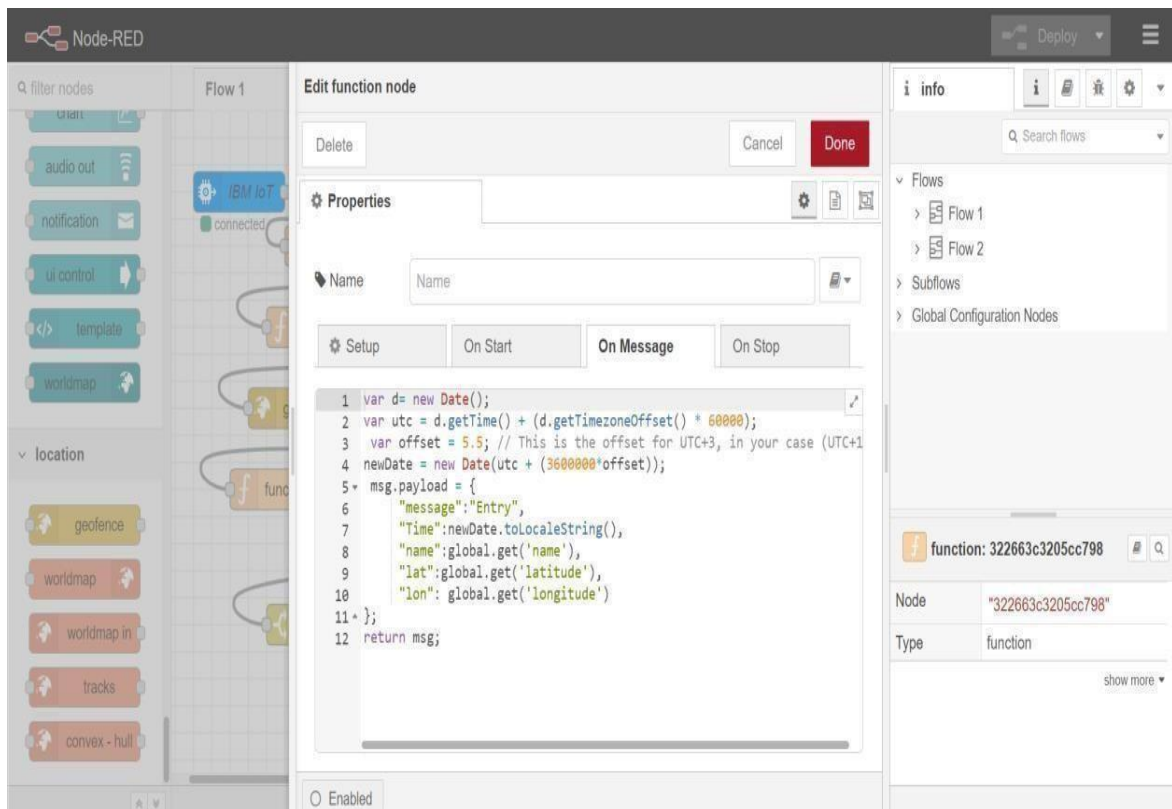


Step

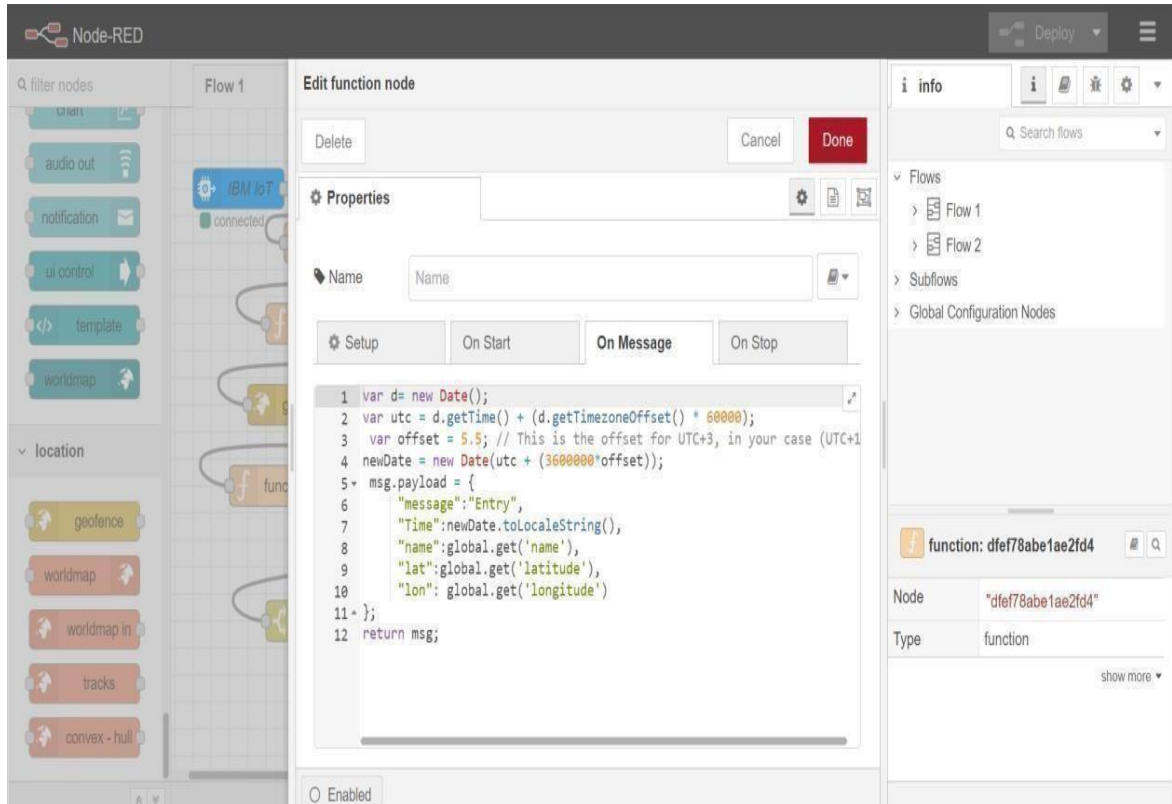
**Step 8:Code with different node**



**9:Code with different node**



## Step 10:code with different node





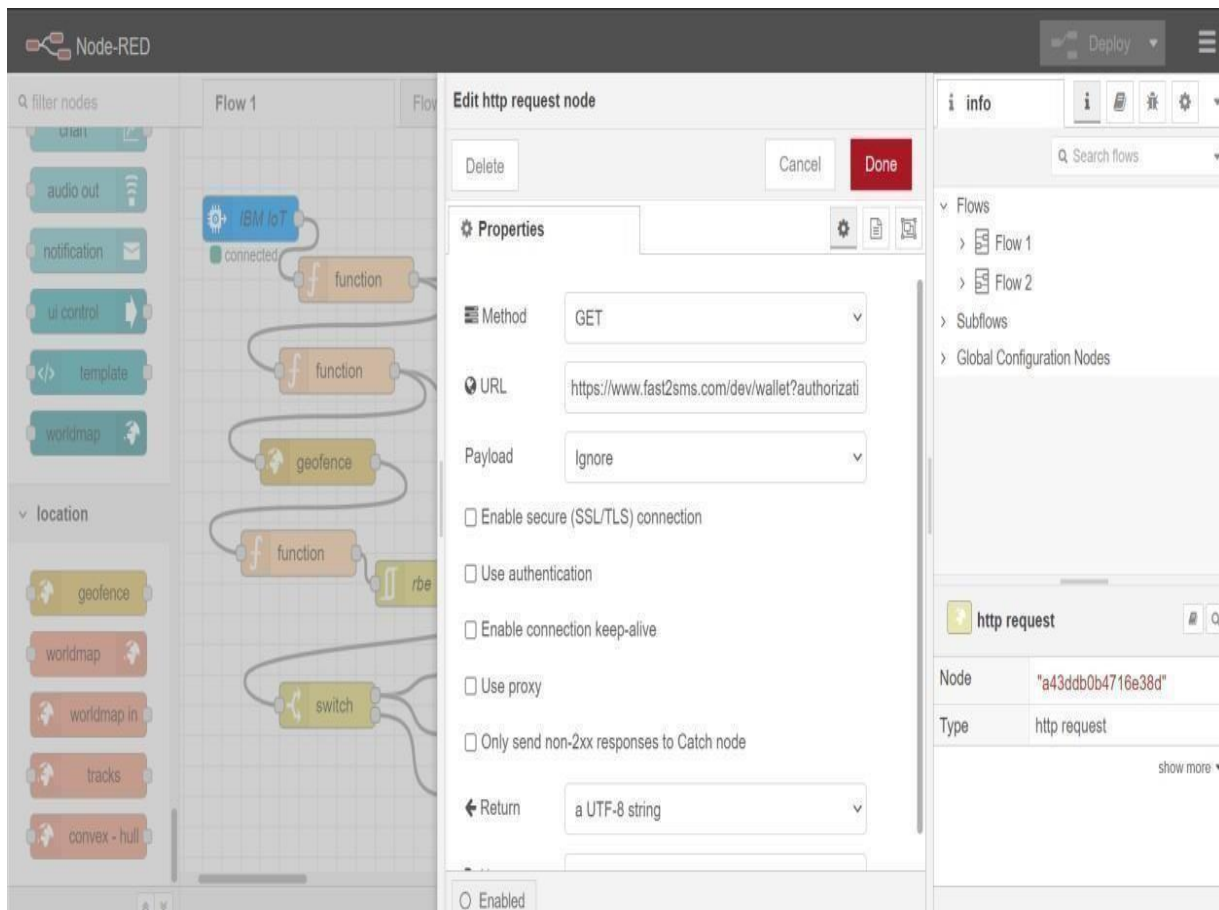
## Step 11:Code with different node

The screenshot shows the Node-RED web interface. On the left, a sidebar contains various nodes categorized under 'location', including 'geofence', 'worldmap', 'worldmap in', 'tracks', and 'convex - hull'. The main workspace displays a flow with an 'IBM IoT' node connected to a 'function' node. The 'function' node is selected, and its configuration panel is open. The 'Properties' tab is active, showing a 'Name' field and a 'Setup' tab. The 'On Message' tab is selected, displaying a JavaScript code editor with the following code:

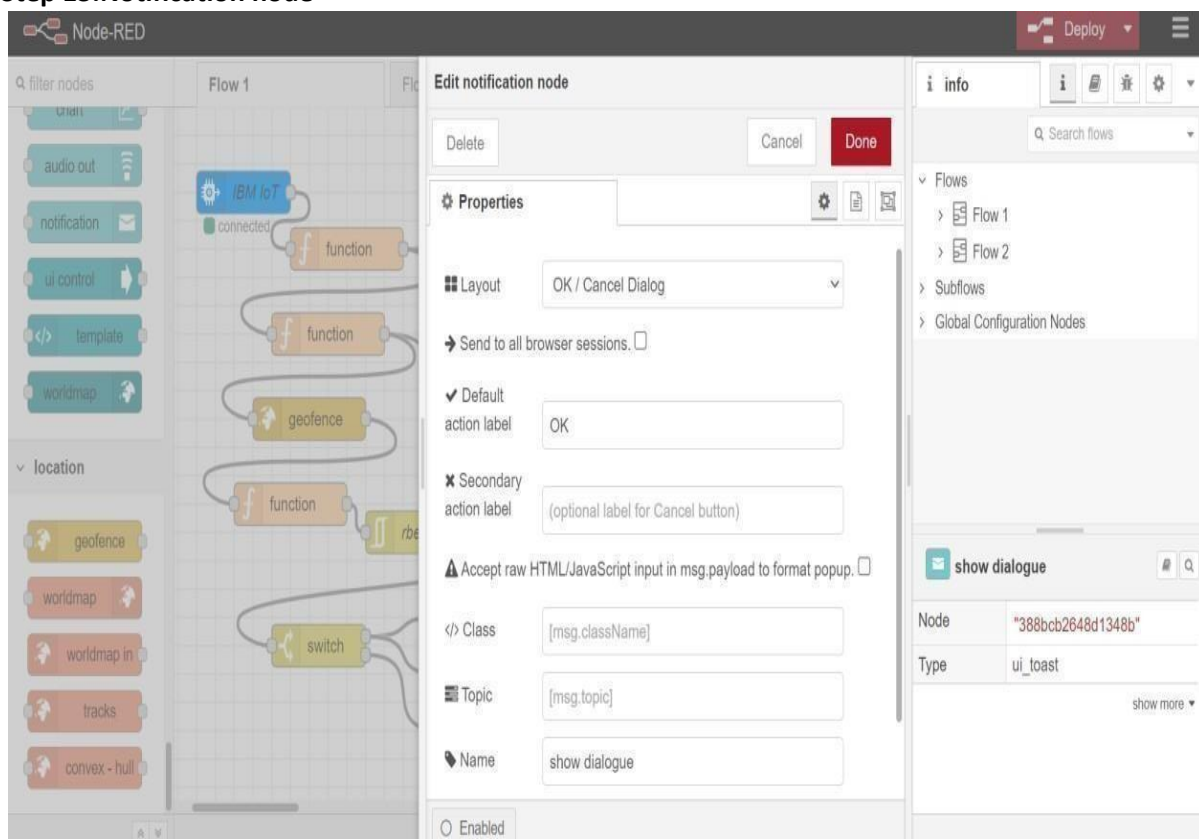
```
1 var d= new Date();
2 var utc = d.getTime() + (d.getTimezoneOffset() * 60000);
3 var offset = 5.5; // This is the offset for UTC+3, in your case (UTC+1
4 newDate = new Date(utc + (3600000*offset));
5 msg.payload = {
6   "message": "Entry",
7   "Time": newDate.toLocaleString(),
8   "name": global.get('name'),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

On the right side of the interface, the 'info' panel is visible, showing a search bar and a list of flows. Below this, a 'function' node is highlighted with its ID '36df960d0bd4f874'. The 'Node' field shows the ID, and the 'Type' field shows 'function'.

## Step 12:Http request node->properties



### Step 13: Notification node





Step 14: Cloudant node

