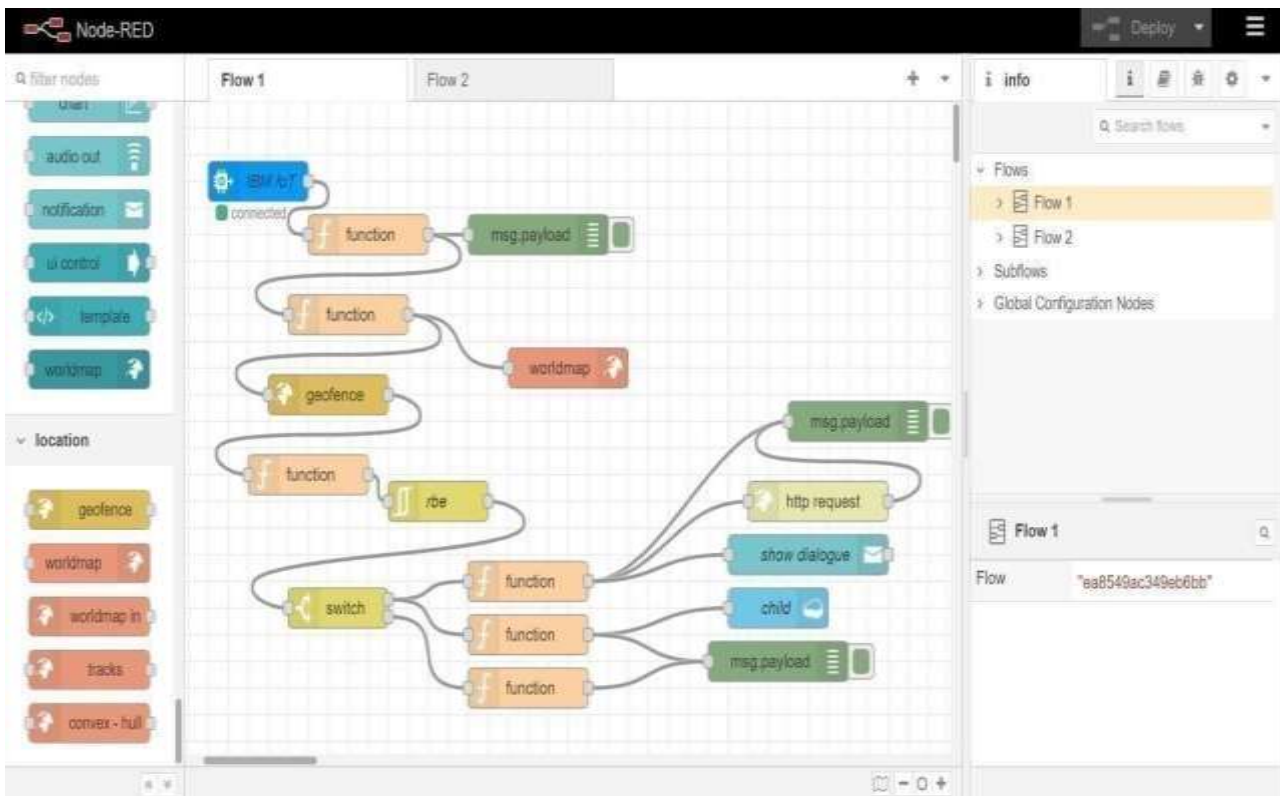


## Project Development Phase SPRINT-3

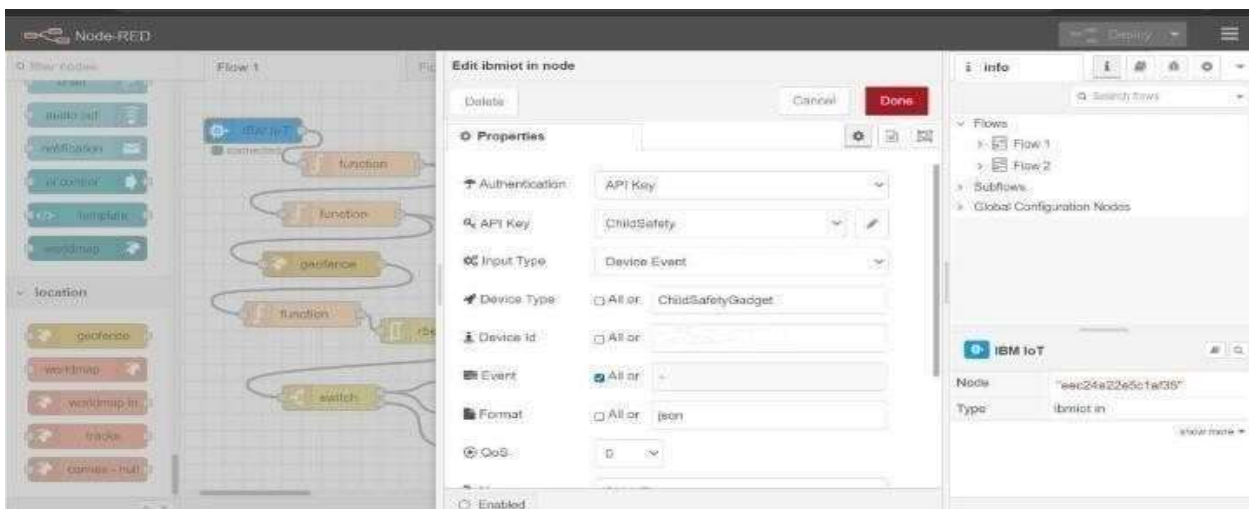
Team ID	PNT2022TMID05567
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification

### NODE RED- Cloudant DB Communication:

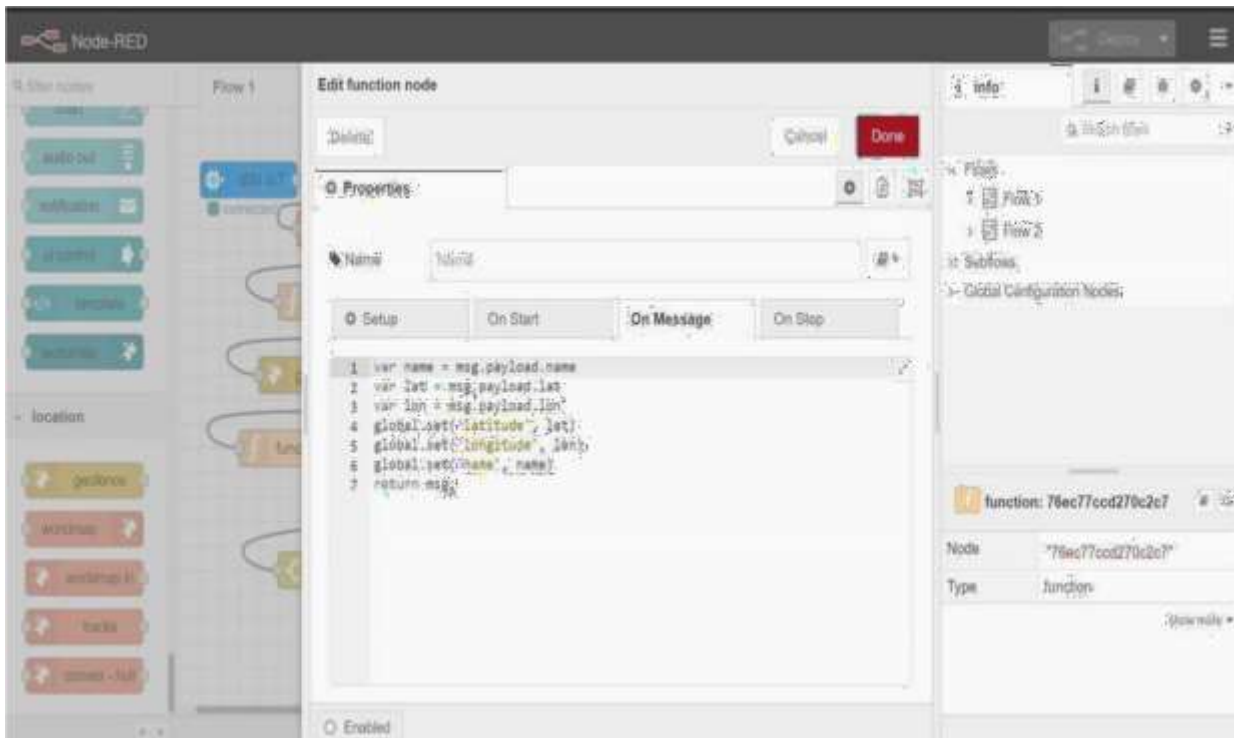
#### Step 1: Connections



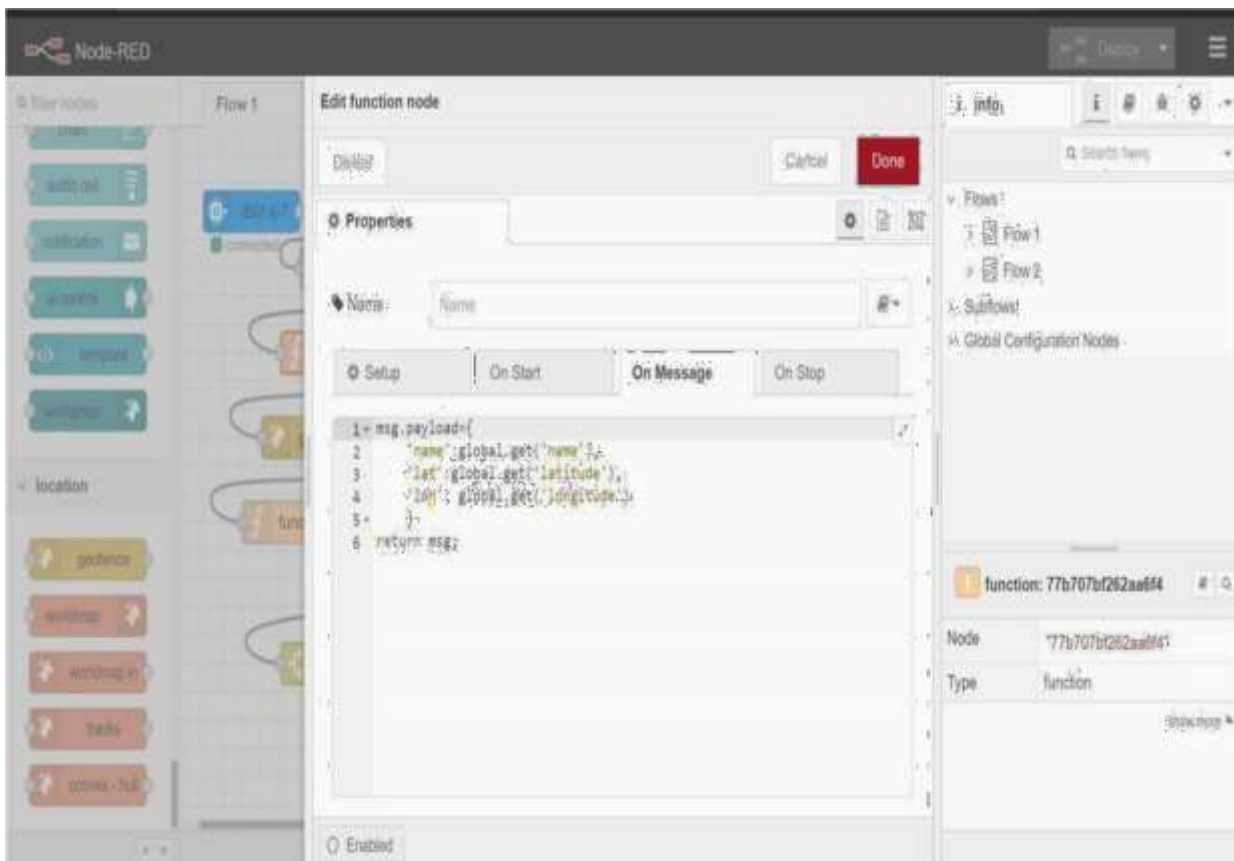
#### Step 2: Code in nodes



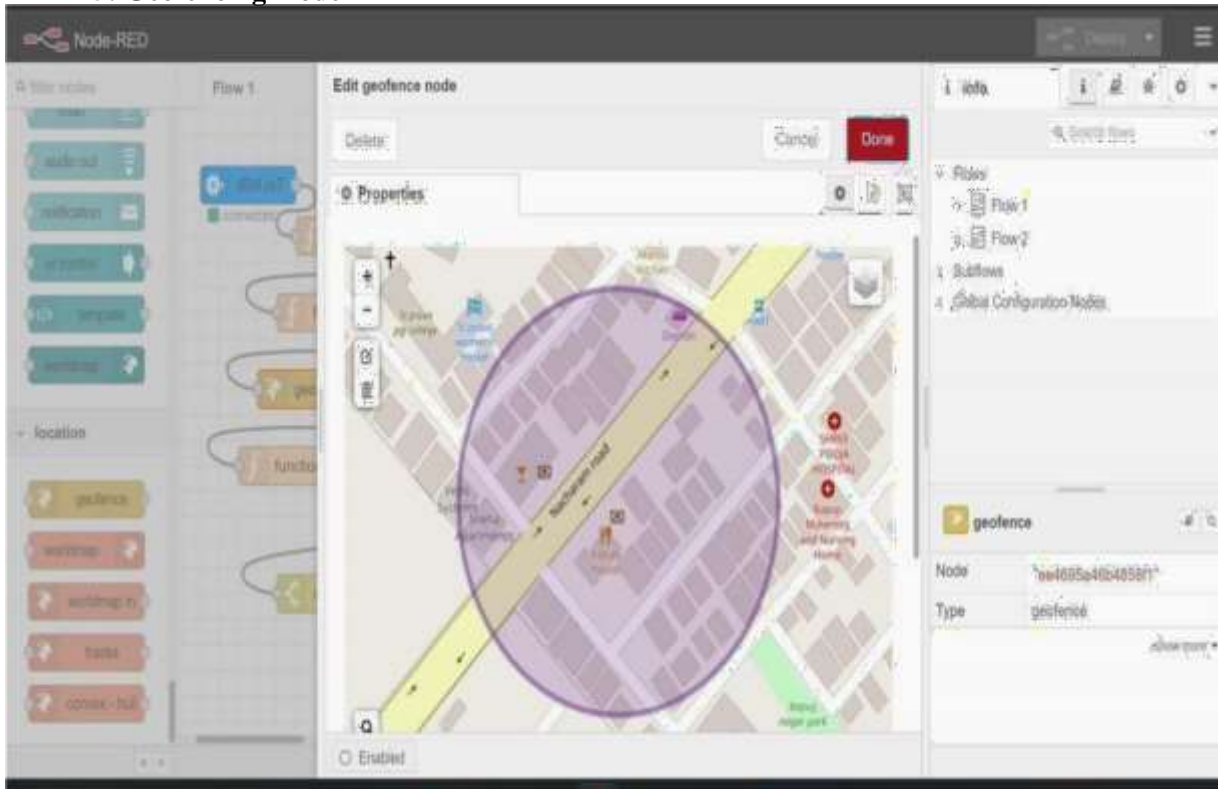
### Step 3: Edit function mode(code)



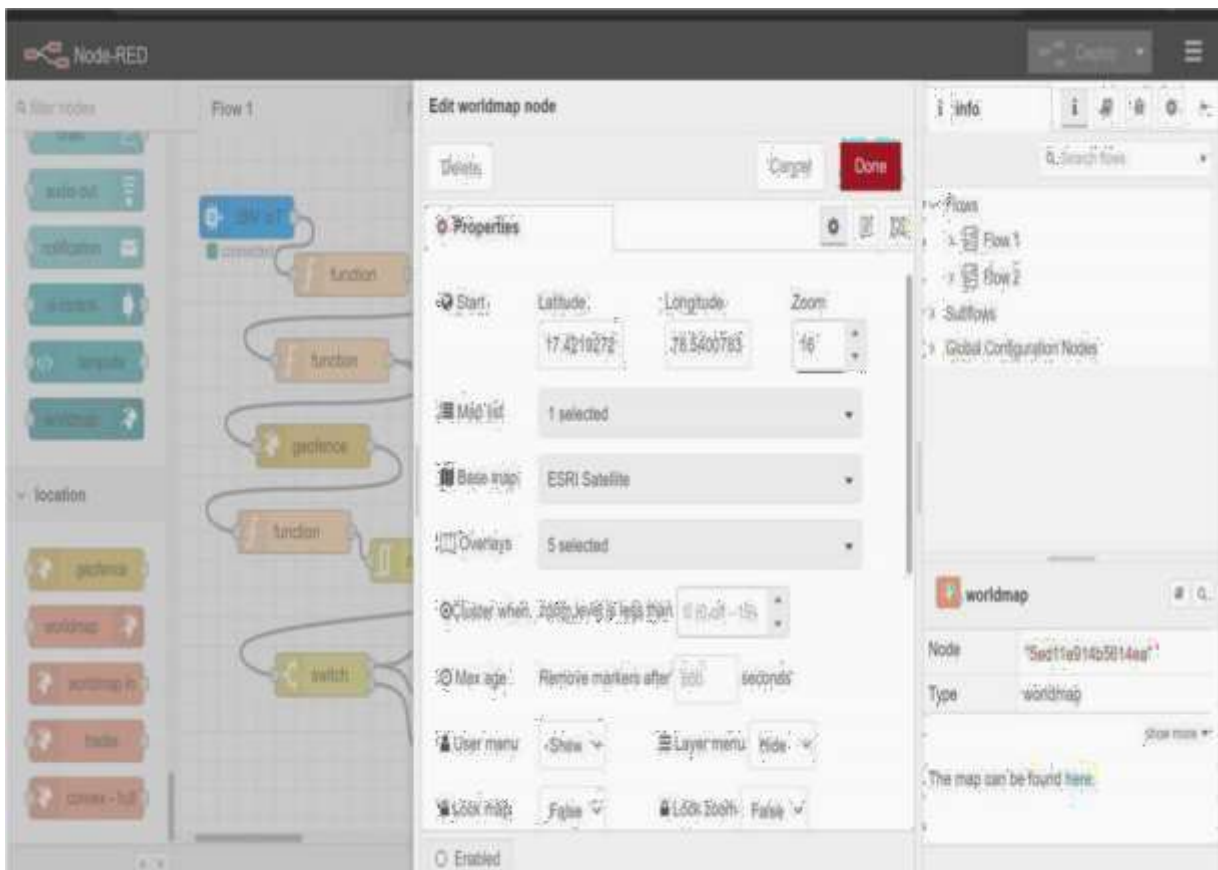
### Step 4:



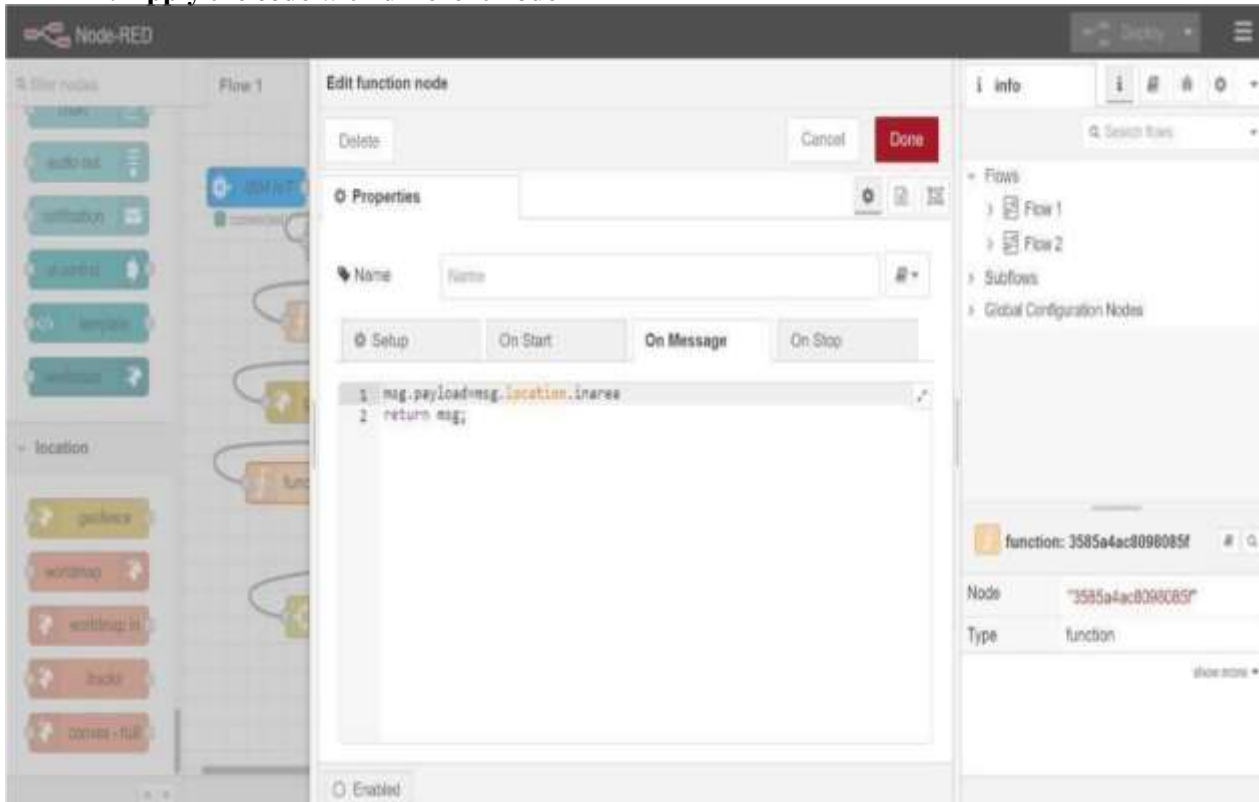
## 5: Geofencing mode



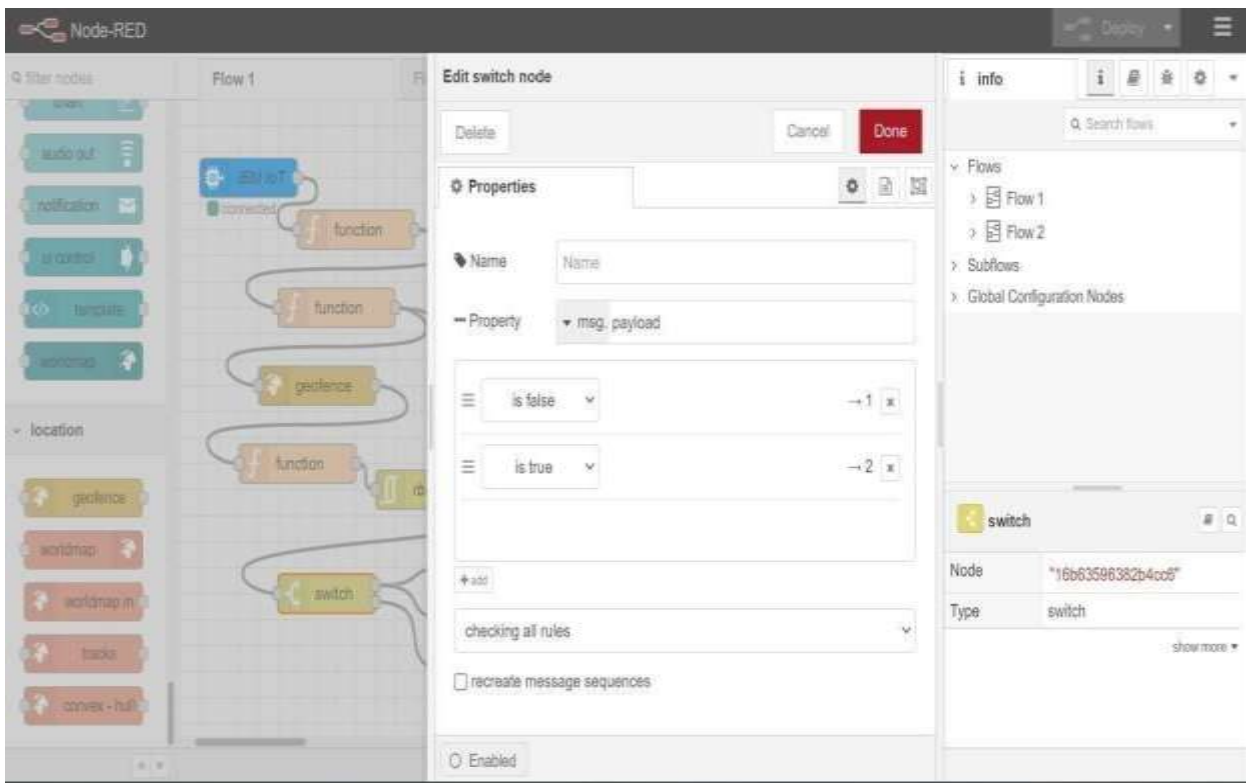
## Step 6: World map node with properties



## 7: Apply the code with different node



## Step 8: Code with different node



## 9: Code with different node

The screenshot shows the Node-RED web interface. The 'Edit function node' dialog is open, displaying the following JavaScript code:

```
1 var d= new Date();
2 var utc = d.getTime() + (d.getTimezoneOffset()*-1000);
3 var offset=-5.5; // This is the offset for WTC-2, in your case (UTC+3)
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;
```

The right sidebar shows the node's properties: Node ID is `322663c3205cc798` and Type is `function`.

## Step 10: code with different node

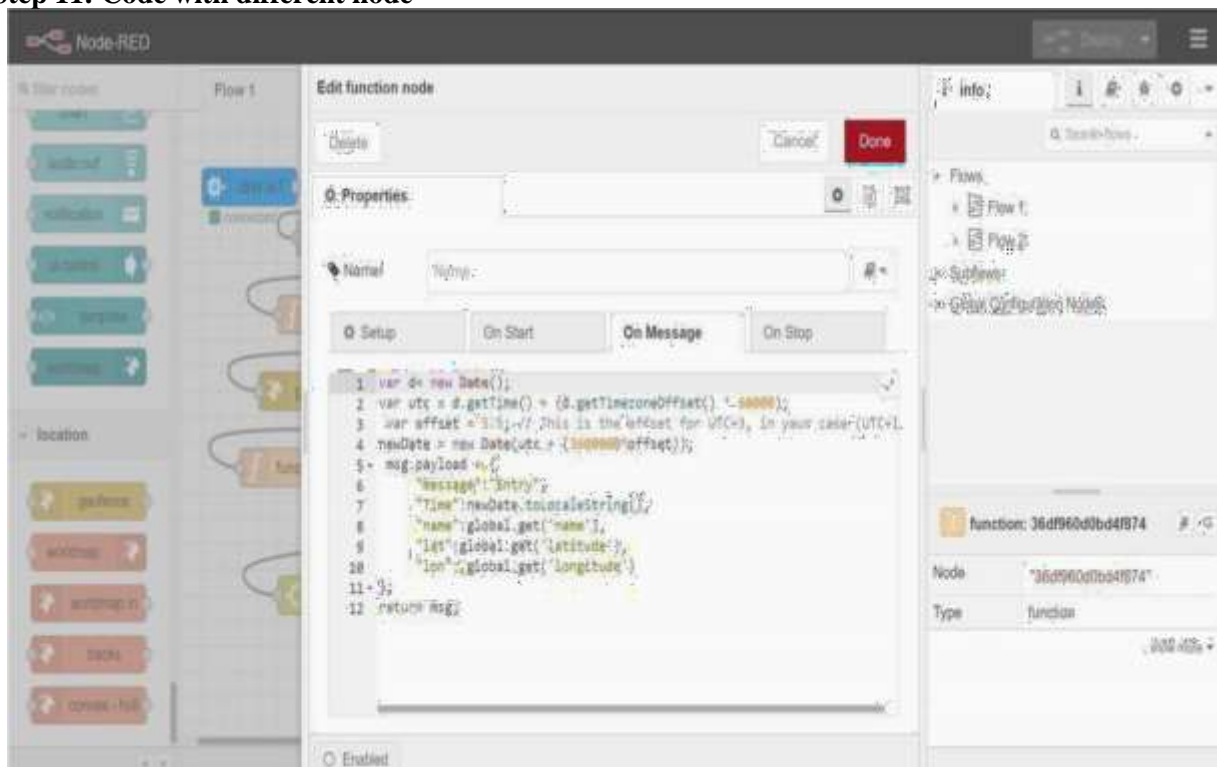
The screenshot shows the Node-RED web interface. The 'Edit function node' dialog is open, displaying the following JavaScript code:

```
1 var d= new Date();
2 var utc = d.getTime() + (d.getTimezoneOffset()*-1000);
3 var offset=-5.5; // This is the offset for WTC-2, in your case (UTC+3)
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;
```

The right sidebar shows the node's properties: Node ID is `dfe778abe1ae2fd4` and Type is `function`.



## Step 11: Code with different node

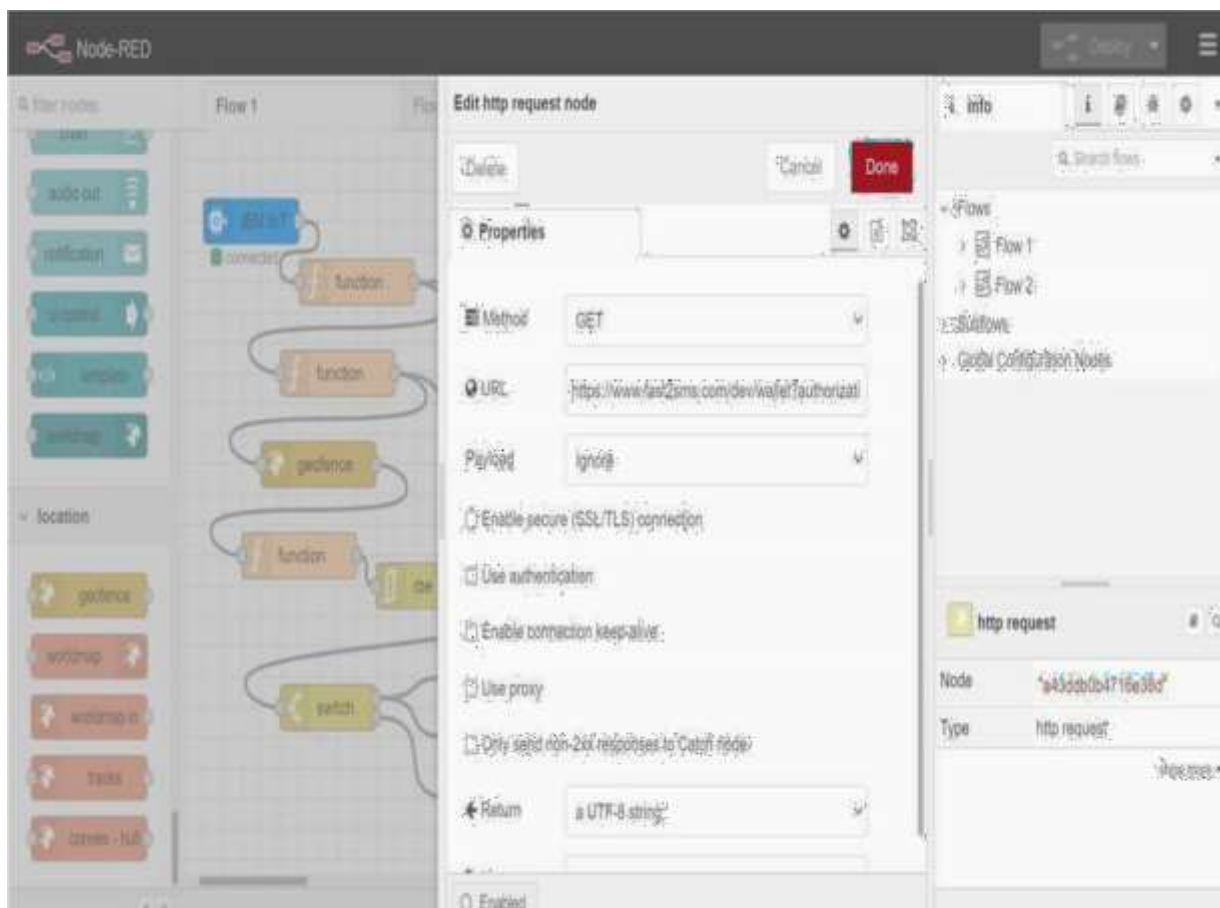


The screenshot shows the Node-RED interface with the 'Edit function node' dialog open. The code in the function node is as follows:

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

The right sidebar shows the 'Info' panel with the node ID '36d960dbd4b74' and the type 'function'.

## Step 12: Http request node->properties

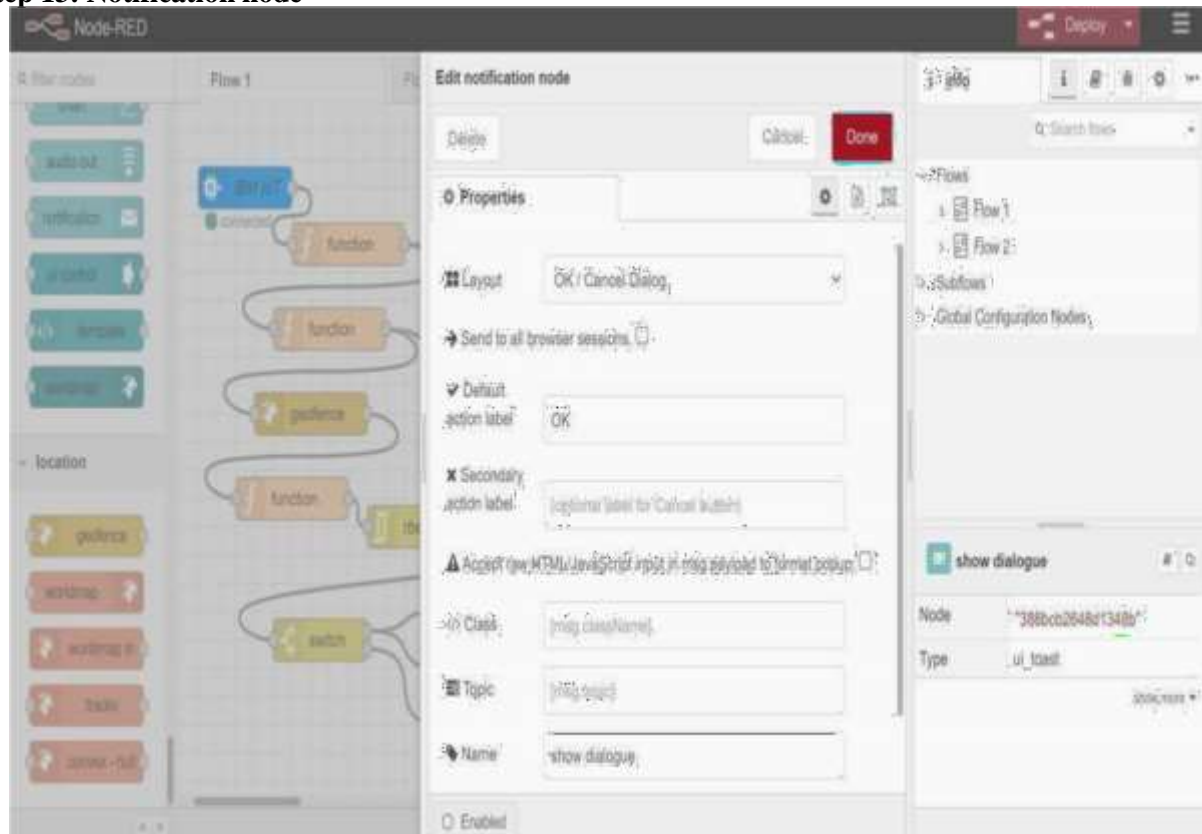


The screenshot shows the Node-RED interface with the 'Edit http request node' dialog open. The properties are set as follows:

- Method: GET
- URL: <https://www.fast2sms.com/dev/wallet?authorizat>
- Period: ignore
- ☐ Enable secure (SSL/TLS) connection
- ☐ Use authentication
- ☐ Enable connection keep-alive
- ☐ Use proxy
- ☐ Only send non-2xx responses to Catch node
- Return: a UTF-8 string

The right sidebar shows the 'Info' panel with the node ID 'a43db0b4716e38c' and the type 'http request'.

### Step 13: Notification node



### Step 14: Cloudant node

