## **TEAM ID:PNT2022TMID04739**

## **Develop The Web Application Using Node-RED**

Develop the web application using Node-RED

The web application should have the following features:

- Connect to the IBM IoT platform and get the location data
- Display the location on a Google map
- Check whether the child is inside the geofence or not
- Send the notification if the child goes out of the geofence
- Store all the location data in the cloudant DB

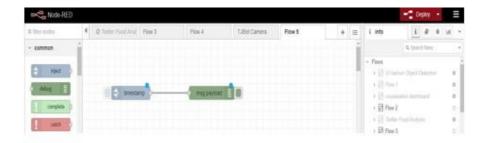
Connect to IBM IoT platform and get the location, store the data incloudant DB.

Integrate the geofence to check if the child is inside or outside thegeofence and display the location in Google Maps.

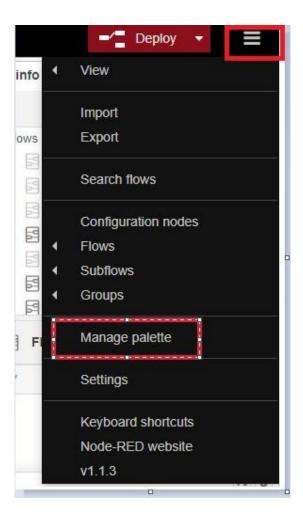
Send the notification if the child is out of geofence.

We should need dashboard nodes to be installed to build adashboard. We followed the below steps to install

1. When we open our node-RED flow it looks like the image below



2. We clicked on the drop-down list and selected the manage palette asshown below



- $3. \, \text{In the manage Palette search for "node-red-dashboard"} \, \, \text{and installedit.}$
- 4. Also, we need geofence nodes for creating a geofence. to install it search for "node-red-node-geofence" in the manage palette and installthem.

We need world map nodes for displaying the location in the world map. Search for "node-red-contrib-web-worldmap" in the managepalette and install them.