

## Project Development Phase

### Sprint -3 (Node-Red Service)

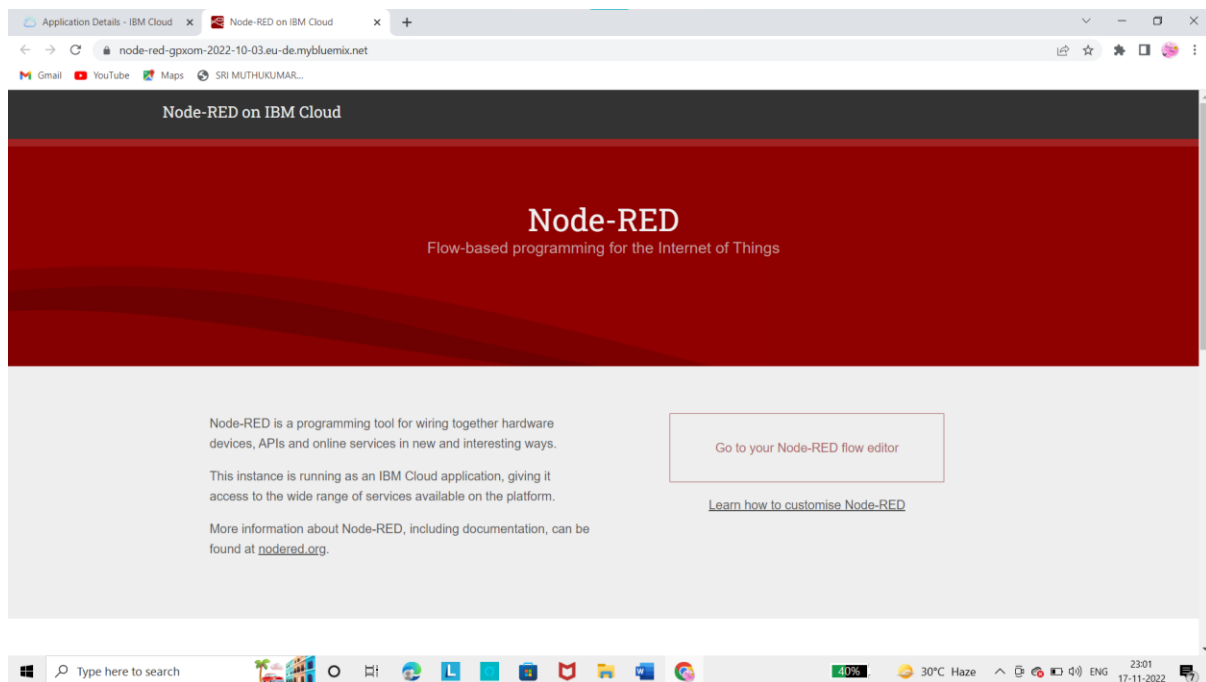
Date	12 November 2022
Team ID	PNT2022TMID37064
Project Name	Project – Personal Assistance for Seniors Who Are Self-Reliant

#### Description:

The sensor data's (generated by python scripts) which are send to IBM IOT platform which is received through the node red service to create an user interface to visualize the data and alerts or notifications given for taking the medicine.

#### 1.Created an Node-Red application to start node service:

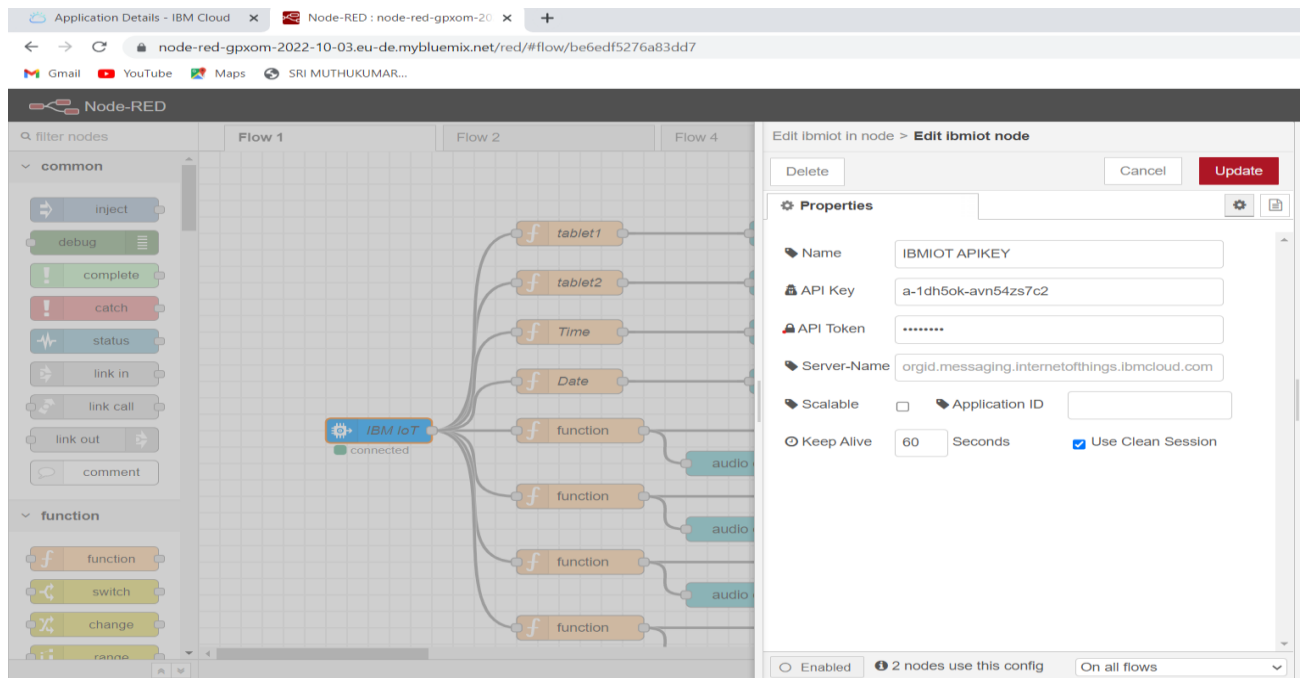
Node red service has been created through IBM cloud service.



## 2. Adding IBM IoT node to get device event datas from ibm iot platform:

IBM IoT node is added then API key and Authentication node is given.

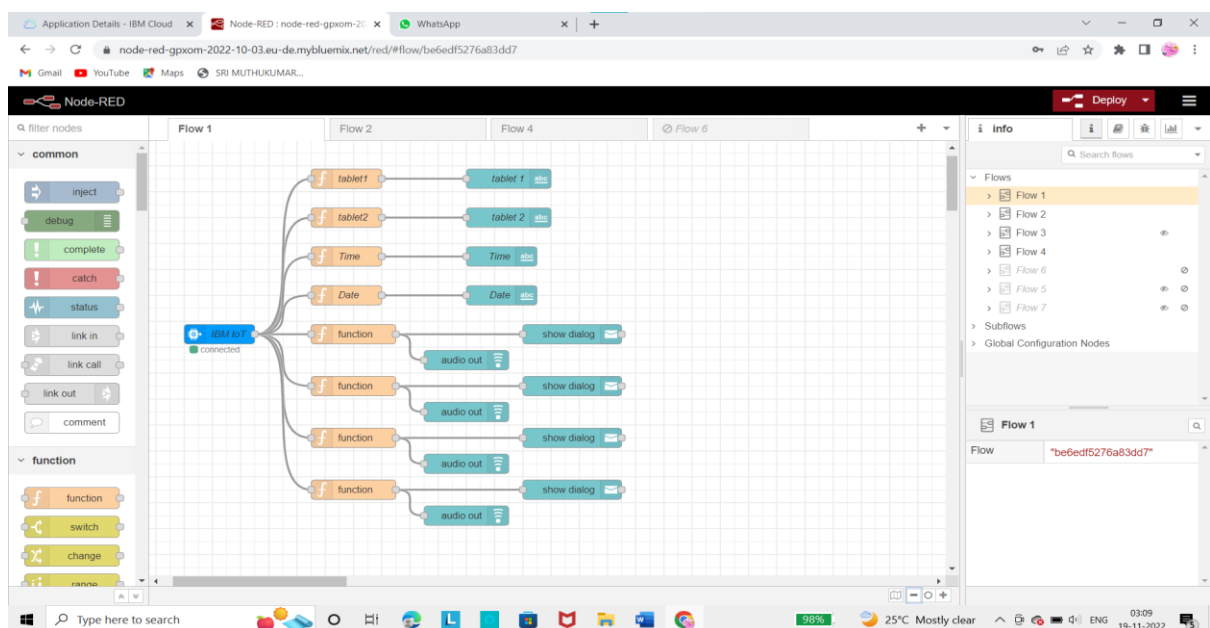
**API Key : a-1dh5ok-avn54zs7c2 Authentication Token : TF6F7sT\*EhfAjaaVhT**



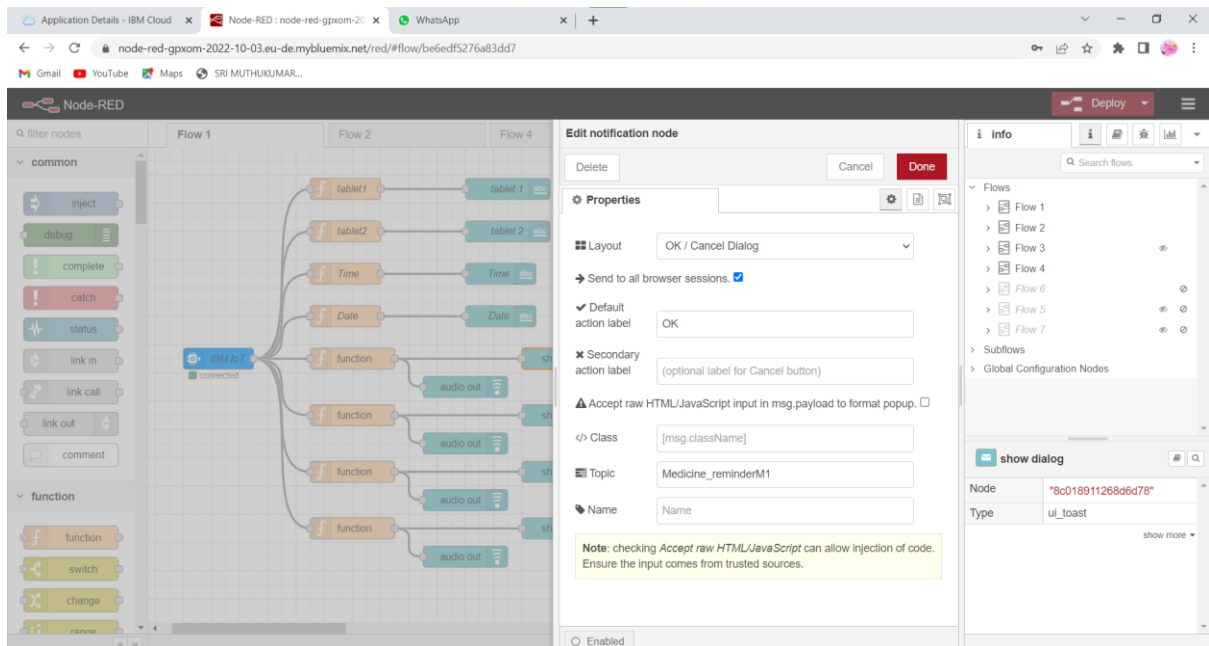
## 3. Nodes are added to show the medicine details in the node red UI or dashboard.

Link for flow editor:

<https://node-red-gpxom-2022-10-03.eu-de.mybluemix.net/red/#flow/be6edf5276a83dd7>

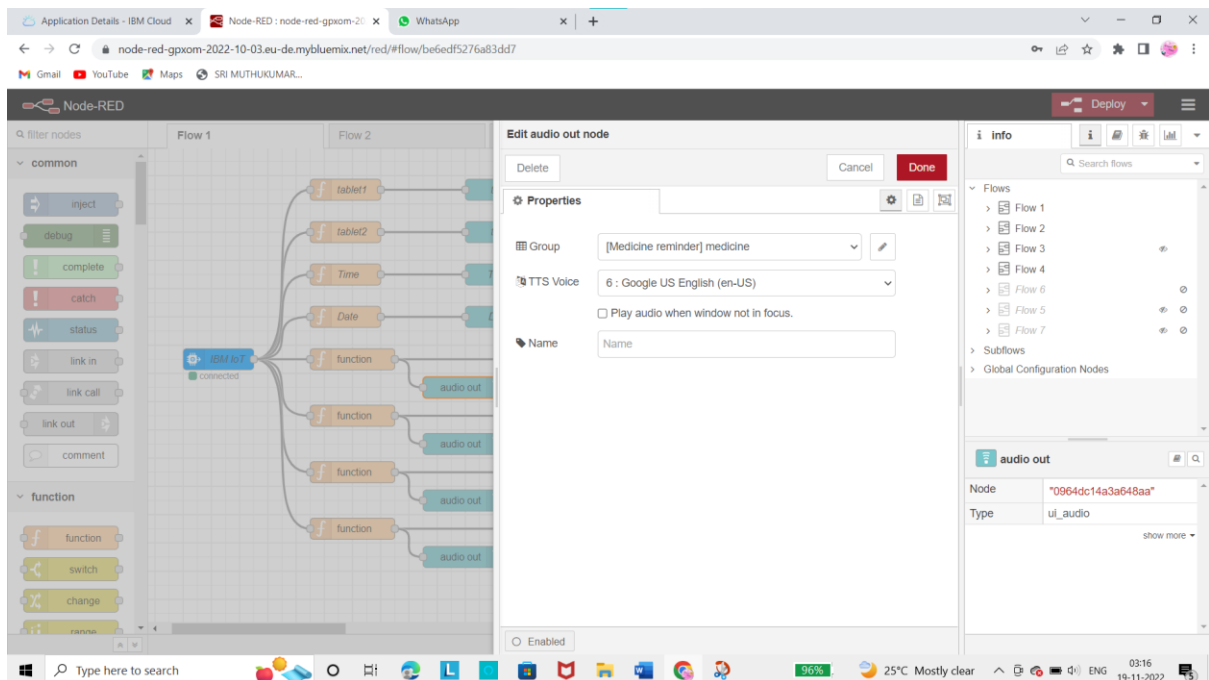


#### 4. Notification nodes are added to show the alert notifications:



#### 5. Audio output node is added to give voice alert.

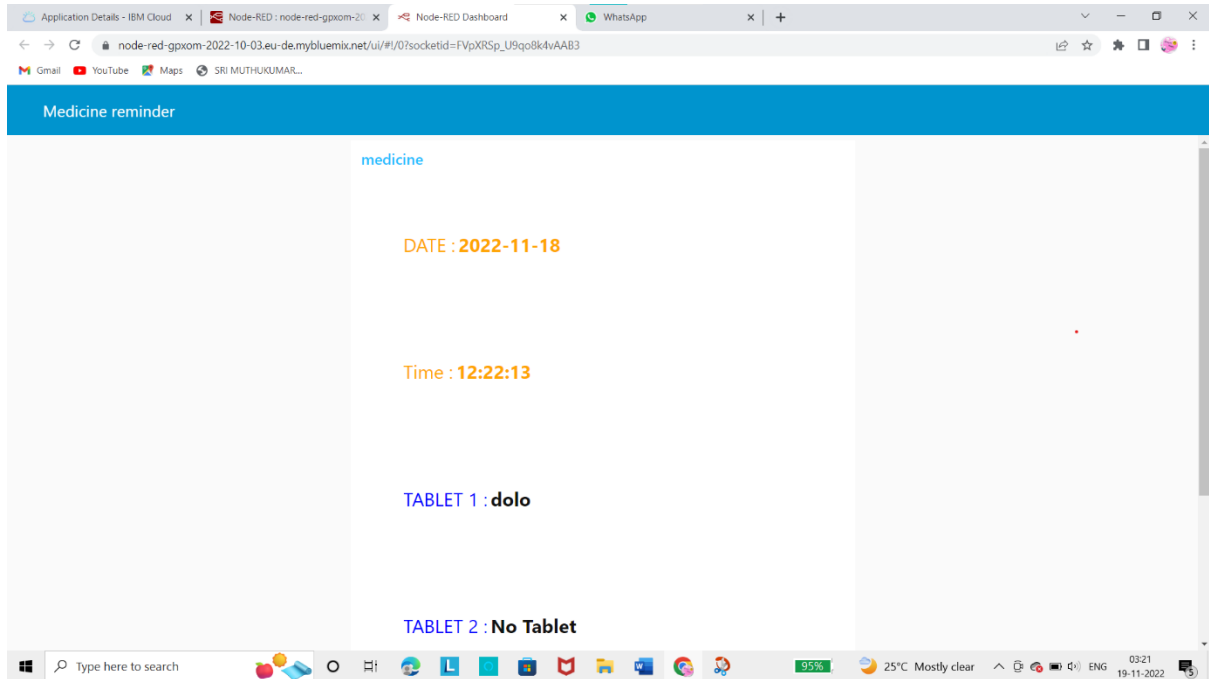
Google US English voice is used to given alert.



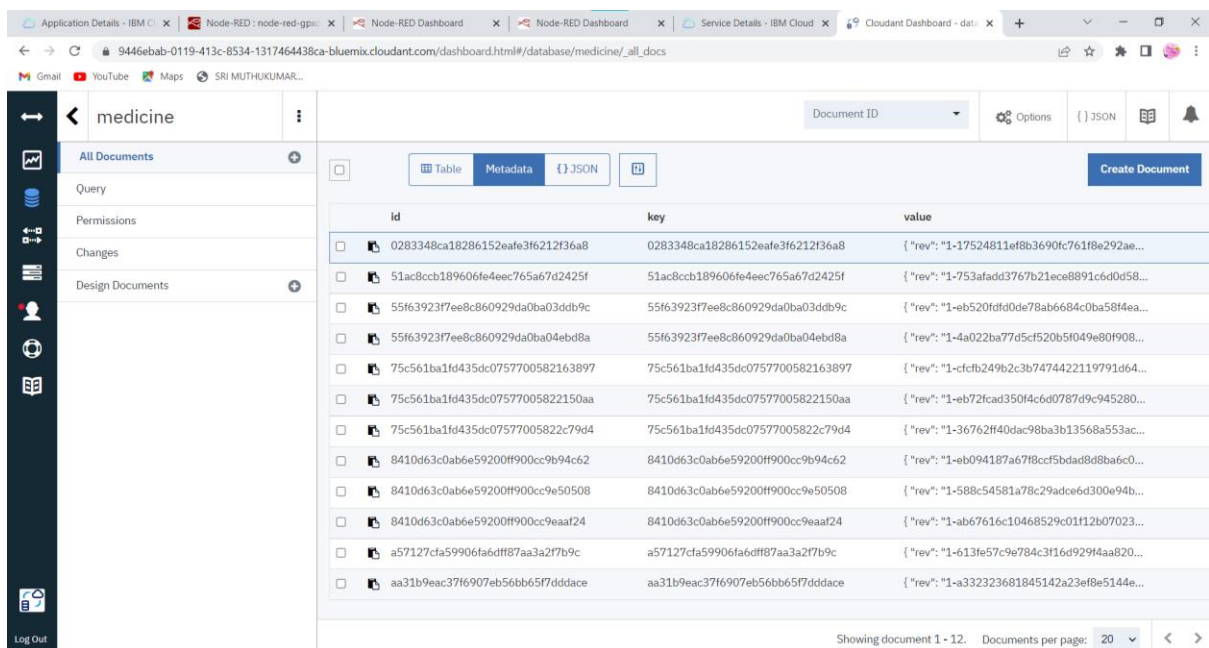
## 6. Node red dashboard or User Interface :

Dashboard Link :

[https://node-red-gpxom-2022-10-03.eu-de.mybluemix.net/ui/#!/0?socketid=FVpXRSp\\_U9qo8k4vAAB3](https://node-red-gpxom-2022-10-03.eu-de.mybluemix.net/ui/#!/0?socketid=FVpXRSp_U9qo8k4vAAB3)



## 8. Data of all flows are stored in cloudant :



Application Details - IBM C xNode-RED: node-red-gp xNode-RED Dashboard xNode-RED Dashboard xService Details - IBM Cloud xCloudant Dashboard - dat x

9446ebab-0119-413c-8534-1317464438ca-bluemix.cloudant.com/dashboard.html#database/medicine/0283348ca18286152eafe3f6212f36a8

Gmail YouTube Maps SRI MUTHUKUMAR...

medicine > 0283348ca18286152eafe3f6212f36a8

[ ] JSON

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```
1
2 "_id": "0283348ca18286152eafe3f6212f36a8",
3 "_rev": "1-17524811ef8b3690fc761f8e292aeec1",
4 "payload": {
5   | "_id": "2022-11-20 02:18",
6   | "name": "dolo"
7 },
8 "socketid": "G1Wup3oQ0HAKp107AABv"
9
```

Log Out

Type here to search

100%

25°C Mostly clear

02:22 19-11-2022