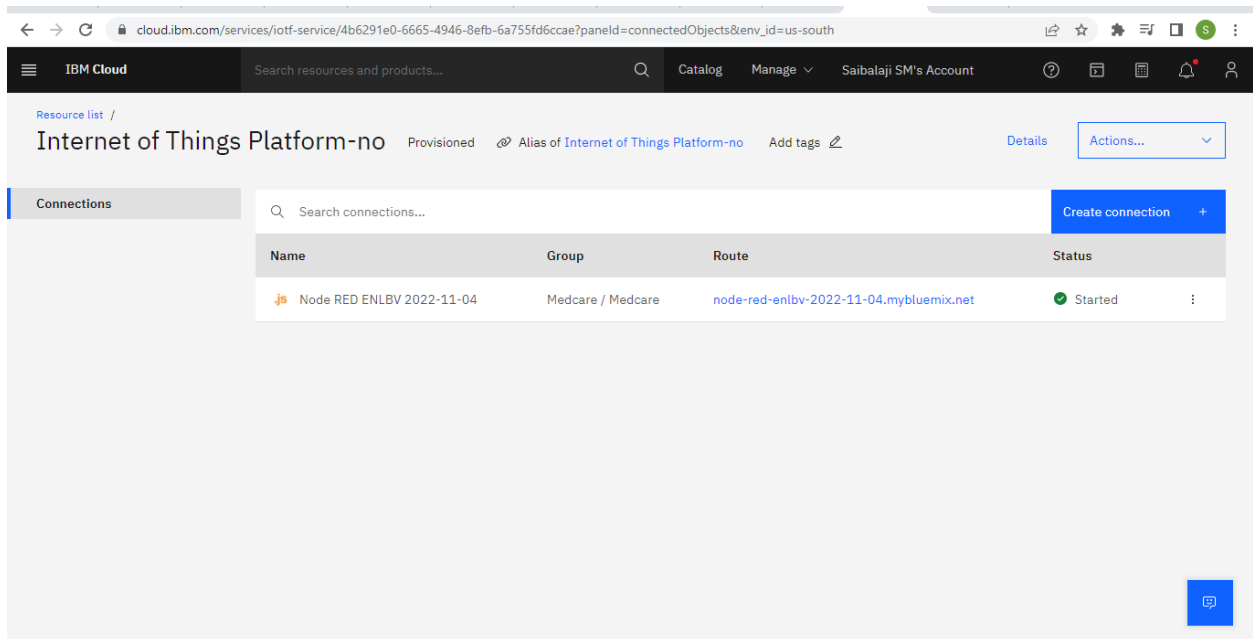


# Sprint-2

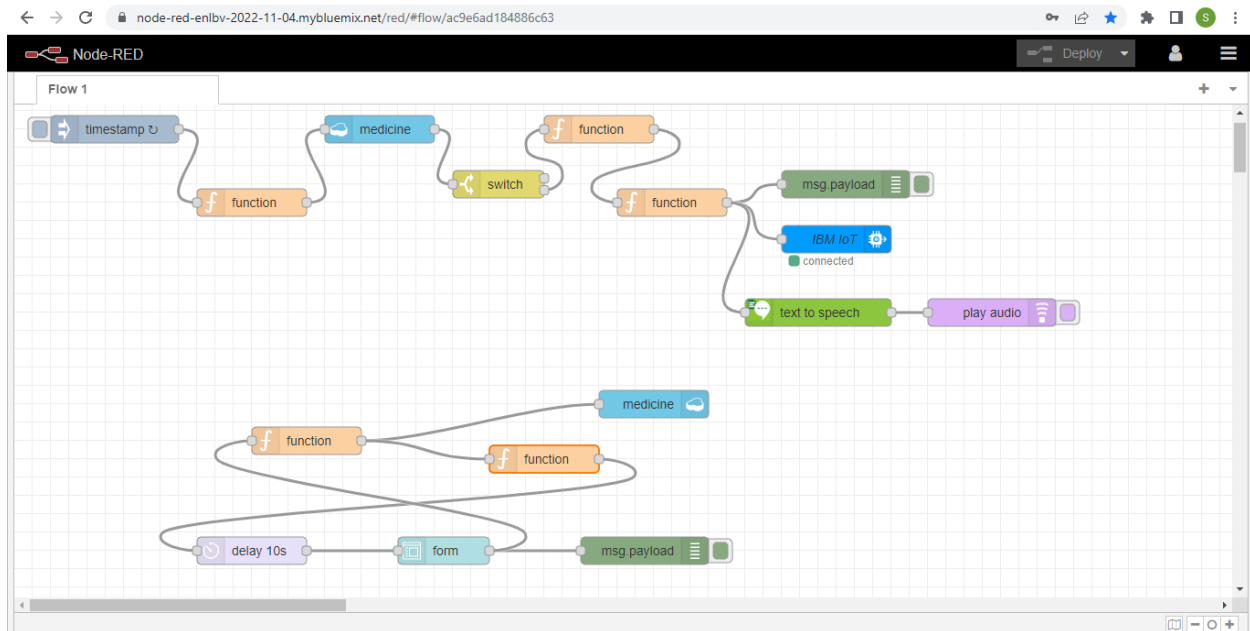
## 1.Create a device in IBM Watson IOT Platform



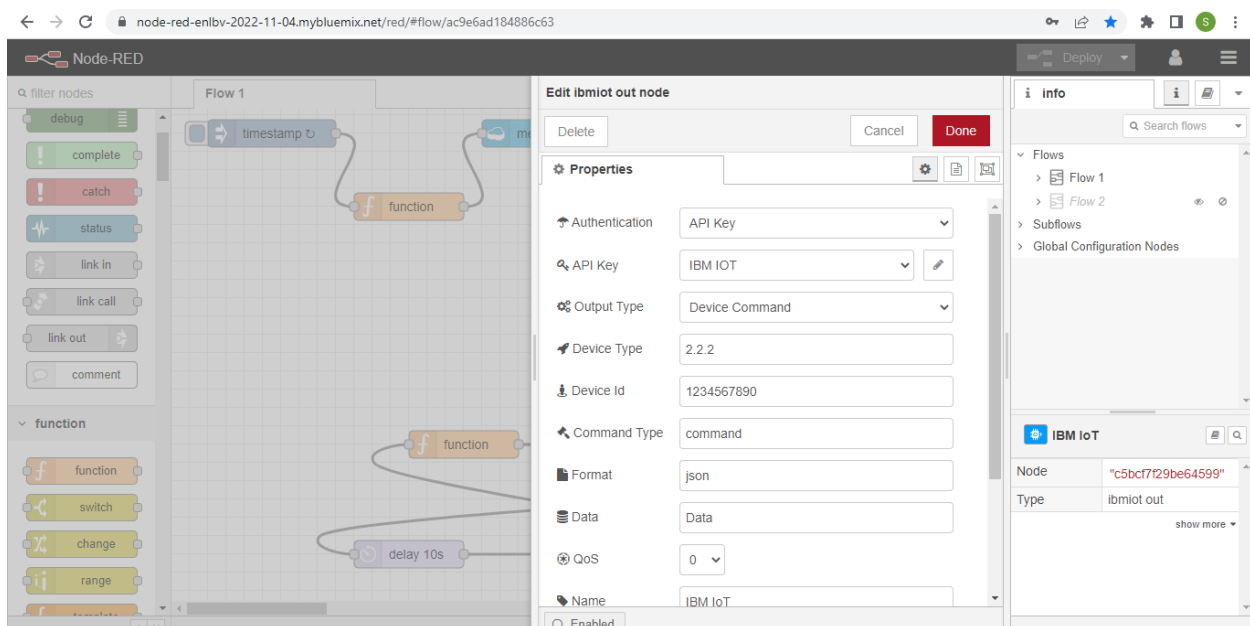
The screenshot displays the IBM Cloud IoT Platform interface. The browser address bar shows the URL: `cloud.ibm.com/services/iotf-service/4b6291e0-6665-4946-8efb-6a755fd6ccae?panelId=connectedObjects&env_id=us-south`. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user account (Saibalaji SM's Account). The main content area shows the 'Internet of Things Platform-no' resource, which is 'Provisioned'. Below this, the 'Connections' tab is active, displaying a table of connections. The table has columns for Name, Group, Route, and Status. A single connection is listed: 'Node RED ENLBV 2022-11-04' in the 'Medcare / Medcare' group, with the route 'node-red-enlbv-2022-11-04.mybluemix.net' and a status of 'Started'. A 'Create connection' button is visible in the top right of the connections list.

| Name                      | Group             | Route                                   | Status  |
|---------------------------|-------------------|---|---------|
| Node RED ENLBV 2022-11-04 | Medcare / Medcare | node-red-enlbv-2022-11-04.mybluemix.net | Started |

## 2. Create Node-Red Service



### 3. Adding IBM IOT Credentials to connect with virtual devices



## 4. Function to Store the Medicine data in Json format

The screenshot shows the Node-RED web interface. On the left, the 'function' node is selected from the palette. In the center, a flow diagram shows a 'timestamp' node connected to a 'function' node. The 'Edit function node' panel is open, displaying the following JavaScript code:

```
1- msg.payload = {
2-   "date": "",
3-   "name": "",
4-   "time": "",
5- }
6- return msg;
```

The 'Properties' section shows the node name as 'Name'. The 'On Message' tab is selected. The right sidebar shows the 'info' panel with the node details: Node ID 'ae3740ed090a2d5d' and Type 'function'.

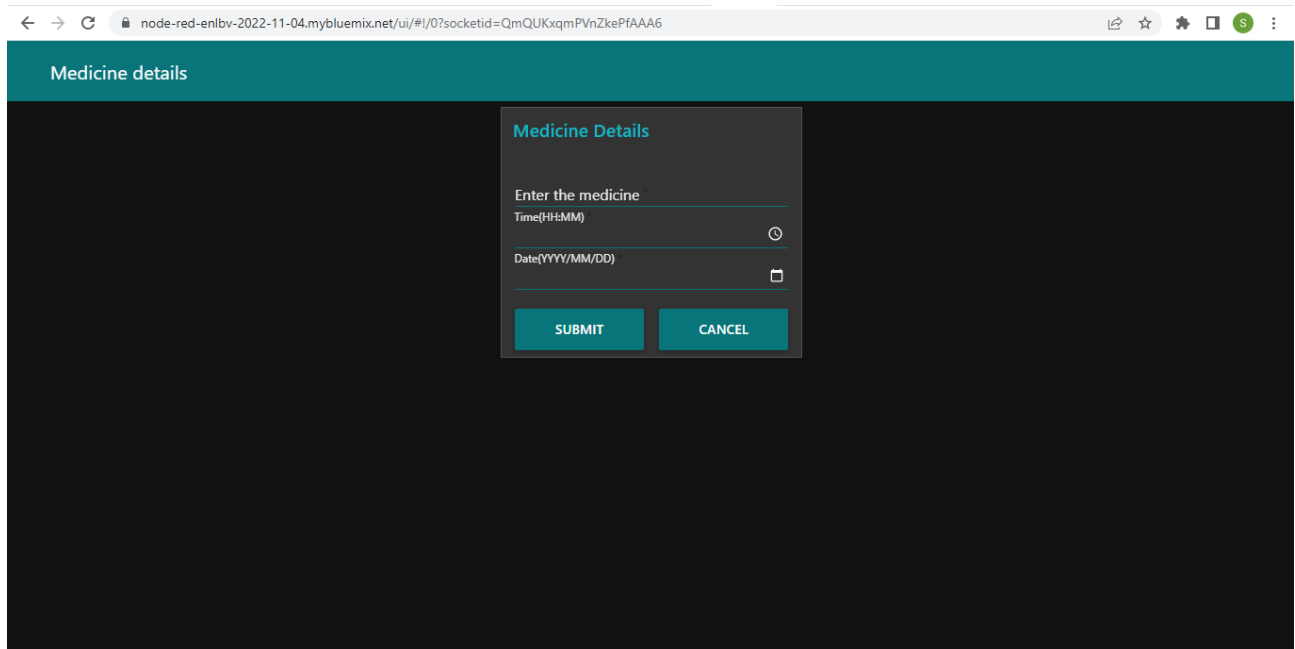
## 5. Compare the Present time with Stored time in cloudant

The screenshot shows the Node-RED web interface. On the left, the 'function' node is selected from the palette. In the center, a flow diagram shows a 'timestamp' node connected to a 'function' node. The 'Edit function node' panel is open, displaying the following JavaScript code:

```
1 var d=msg.payload.date
2 var t=msg.payload.time
3 var date=t.slice(0,10)
4 var time=t.slice(10,25)
5 var hit=new Date(date+time)
6 hit.setDate(hit.getDate()+1);
7 var utc=hit.getTime()+(hit.getTimezoneoffset()*60000);
8 var offset=5.5
9 newDate= new Date(utc+(3600000*offset));
10 var n=newDate.toISOString()
11 var da=n.slice(0,10)
12 var ti=n.slice(11,16)
13 msg.payload={
14   "_id":da+" "+ti,
15   "name":msg.payload.name,
16 }
17 return msg;
```

The 'Properties' section shows the node name as 'Name'. The 'On Message' tab is selected. The right sidebar shows the 'info' panel with the node details: Node ID 'a7d08bb7e7e4d9cc' and Type 'function'.

## 6. Form to Get the User Data:



The screenshot shows a web browser window with the address bar displaying the URL: `node-red-enbv-2022-11-04.mybluemix.net/ui/#/!/?socketid=QmQUKxqmPVnZkePFAAA6`. The browser's address bar includes navigation icons (back, forward, refresh) and a search icon. The page title is "Medicine details". The main content area is dark gray. In the center, there is a light gray modal box titled "Medicine Details". Inside the modal, there is a text input field labeled "Enter the medicine" with a placeholder "Time(HH:MM)". Below this, there is a date input field labeled "Date(YYYY/MM/DD)" with a calendar icon. At the bottom of the modal, there are two buttons: "SUBMIT" and "CANCEL".

7. After getting the data from form, store it in cloudant Database(medicine)

← → ↺

531665c2-3667-4c6a-8eb7-df74d7359f6a-bluemix.cloudant.com/dashboard.html#database/medicine/\_all\_docs

🔖 ☆ ⚙️ 📄 🔔

🔍

medicine

ⓘ

Document ID

⚙️ Options

{ } JSON

📄

🔔

Monitoring

Databases

Replication

Active Tasks

Account

Support

Documentation

IBM Cloudant

Log Out IBMid-674000HOI9

< medicine ⓘ

All Documents +

Query

Permissions

Changes

Design Documents +

☐

Table

Metadata

{ } JSON

📄

Create Document

|                          | _id                         | payload                             | socketid             |
|--------------------------|-----------------------------|-------------------------------------|----------------------|
| <input type="checkbox"/> | 29440dbeac8a10d2cb9f0f34... | { "Name": "dolo 500", "Time": ...   | D6VZasgF71_nnyVJAAA8 |
| <input type="checkbox"/> | 33828d6a23e830b9725908...   | { "Name": "Dolo", "Time": "19...    | JnrddqLcnUOmjr12AAAP |
| <input type="checkbox"/> | 5f0365e91080f1c5884f4aa5... | { "Name": "mrys", "Time": "19...    | JnrddqLcnUOmjr12AAAP |
| <input type="checkbox"/> | 83e5668e3ec72adeb4fed7e9... | { "Name": "critisin", "Time": "1... | eMKPK7BxFzA3T-sEAACB |
| <input type="checkbox"/> | c9b454cf1148e5f9a759cd99... | { "Name": "Amoxicillin", "Time...   | ZUjUT7n6Zg1froZIAAAH |
| <input type="checkbox"/> | edc3862645df283dae392c3...  | { "Name": "paracetomal", "Tim...    | mTJHxXPBQ06GjOjtAACH |

Showing 3 of 4 columns. ☐ Show all columns.

Documents per page: 20 < >