

Project Development Phase Sprint-2

Date	18 November 2022
Team ID	PNT2022TMID21568
Project Name	Personal Assistance for Seniors Who Are Self Reliant

Sprint-2:

Create device in the IOT watson platform, workflow for IOT scenarios using local node red, create a form and store the database in the cloudant db

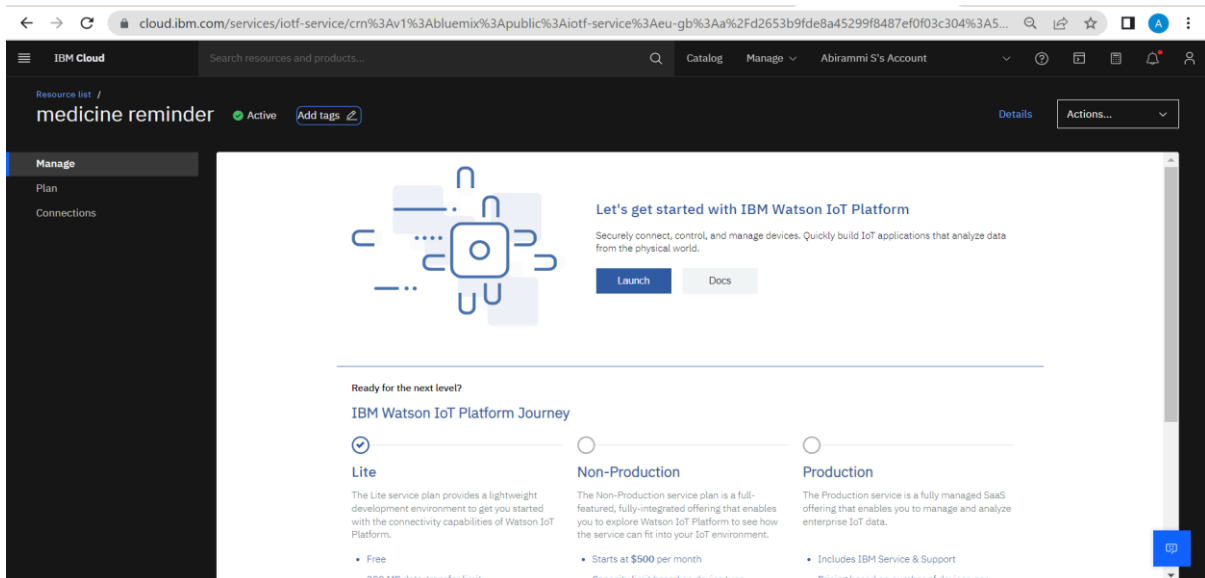
1. Create device in the iot watson platform:

The screenshot shows the IBM Watson IoT Platform interface. The main page is titled 'Browse Devices' and includes a search bar and a table of devices. A modal window is open for creating a new event type for a 'nodemcu' device. The modal includes fields for 'Event type name' (event_1), 'Schedule' (Every Minute), and 'Payload' (a JSON object with a random number). The 'Payload' field is currently empty, and the 'Send' button is visible.

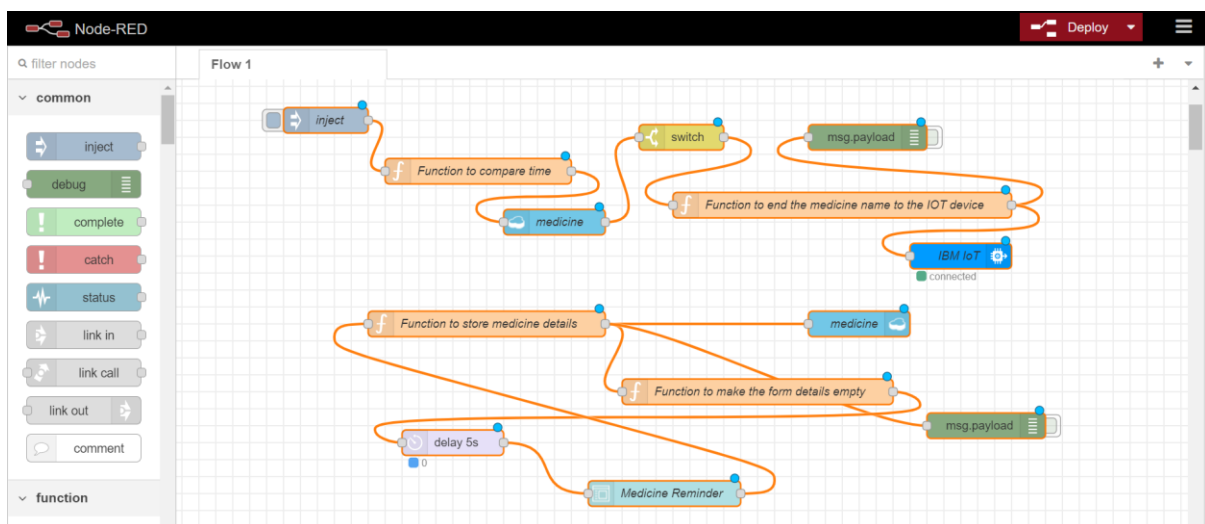
Device ID	Status	Device Type
12345	Disconnected	nodemcu
medicineapp	Disconnected	nodemcu

The screenshot shows the IBM Watson IoT Platform interface. The main page is titled 'Recent Events' and displays a table of events. The table has columns for 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'event_1' with a JSON payload containing a random number and a timestamp. The 'Last Received' column shows 'a few seconds ago'. A status message at the bottom indicates '1 Simulation running'.

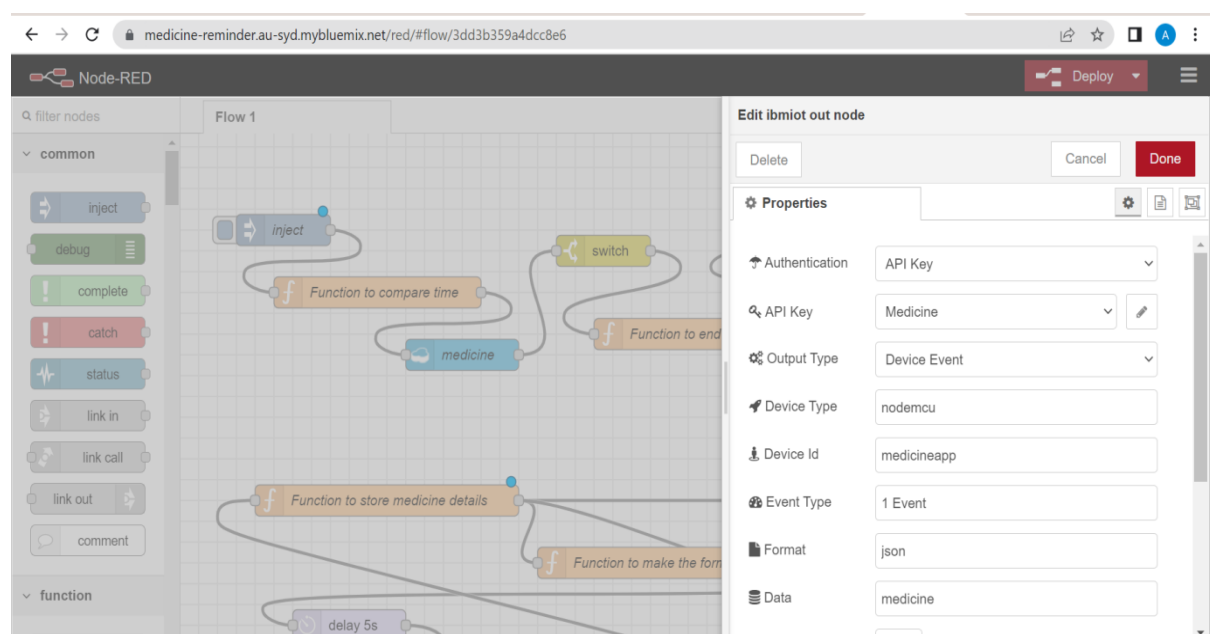
Event	Value	Format	Last Received
event_1	{"randomNumber":18,"time":18,"date":100}	json	a few seconds ago
event_1	{"randomNumber":50,"time":52,"date":87}	json	a few seconds ago
event_1	{"randomNumber":40,"time":75,"date":98}	json	a few seconds ago

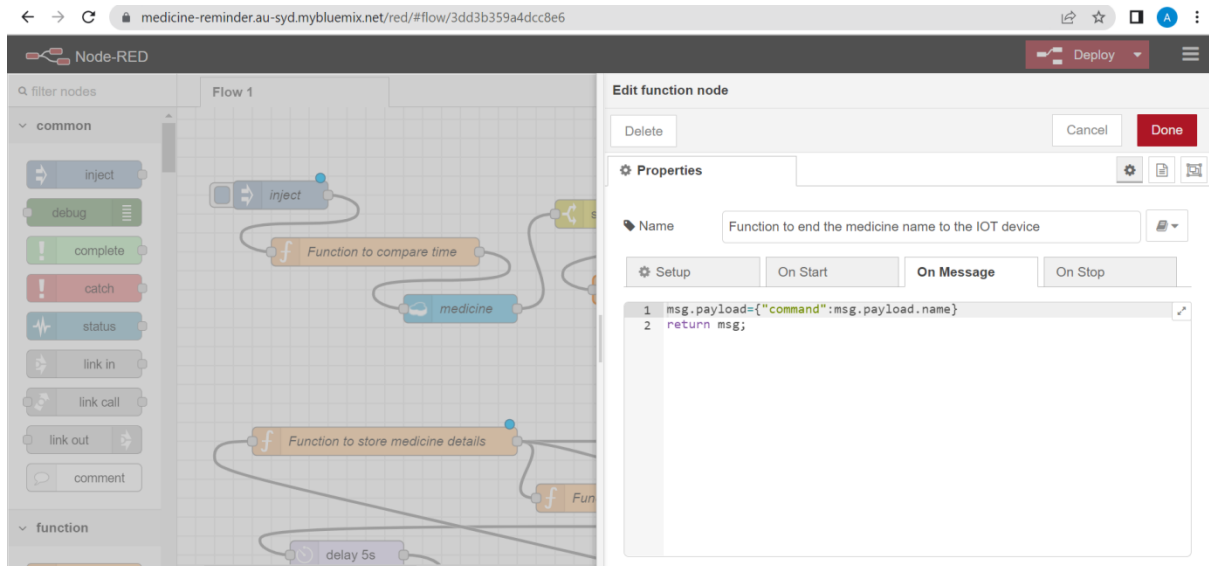


2. Create a Form using Node-red to get the medicine details:

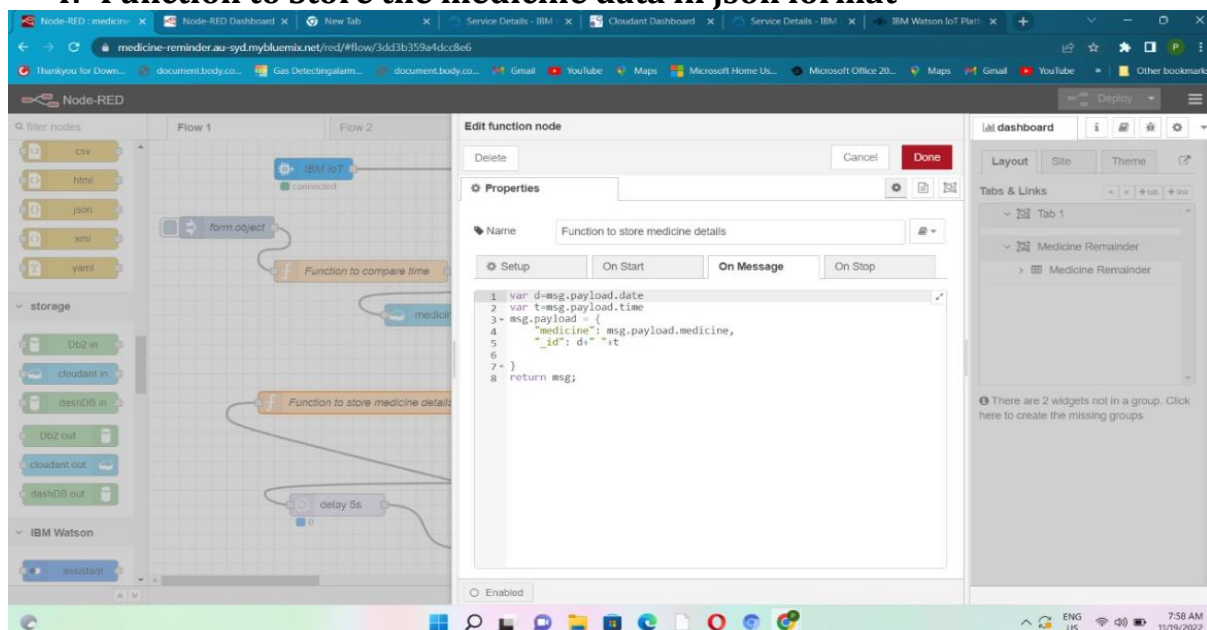


3. Adding IBM IOT Credentials to connect with virtual devices

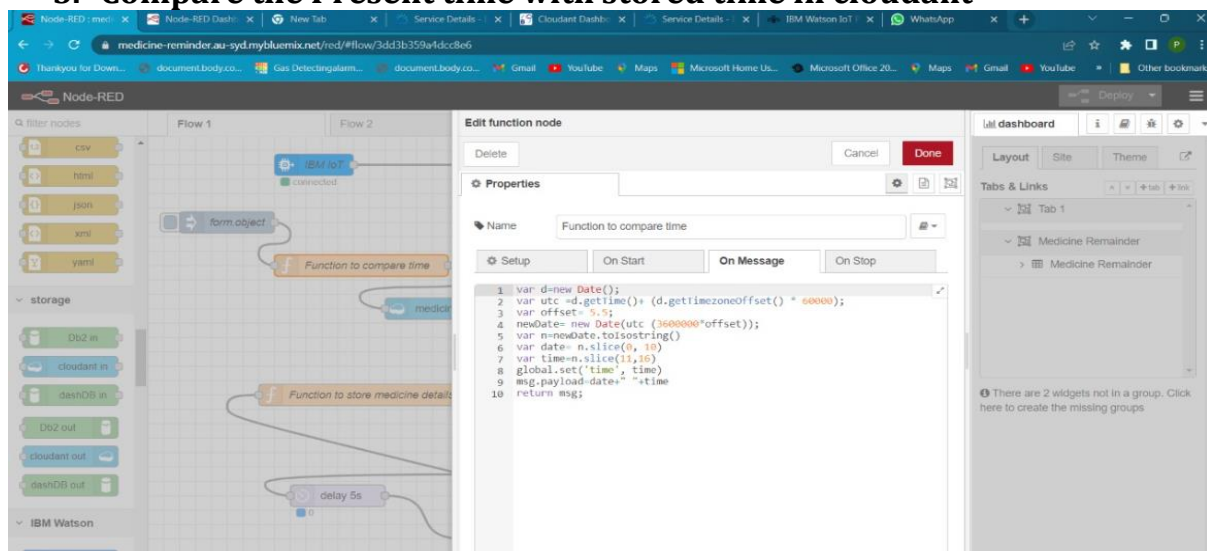




4. Function to Store the medicine data in json format



5. Compare the Present time with stored time in cloudant



6. Form to get the user data

Medicine Remainder

ADD A MEDICINE TO THE PILL BOX

Medicine *

Time *

Date *

SUBMIT CANCEL

Medicine Remainder

ADD A MEDICINE TO THE PILL BOX

Medicine *

Advil

Time *

09:22 AM

Date *

11/21/2022

SUBMIT CANCEL

7. Store the collected data in cloudant database

medicine > 67d36f949df8c6029f4e3a9545f1205e

Save Changes Cancel Upload Attachment Clone Document Delete

```
1 {
2   "_id": "67d36f949df8c6029f4e3a9545f1205e",
3   "_rev": "1-94076b6ebdbf4de1401ba94b75ed28db",
4   "payload": {
5     "medicine": "Advil",
6     "_id": "2022-11-20T18:30:00.000Z 1970-01-01T03:52:00.000Z"
7   },
8   "socketid": "X-C9BTWkokmo_XeWAA8t"
9 }
```

Log Out

ENG US 9:20 AM 11/19/2022

Navigation tabs: New Tab, Node-RED: med..., Node-RED: Diagn..., Service Details..., Cloudant Desktop..., https://3013abe..., Service Details..., IBM Watson IoT..., +

Address bar: 3019abec-6b6b-42b2-9529-122b541e55e6-bluemix.cloudant.com/dashboard.html#/database/medicine/_all_docs

Page Header: medicine | Document ID | Options | JSON | Create Document

Left Sidebar: All Documents, Query, Permissions, Changes, Design Documents, Log Out

id	key	value
bb2ff4d169a2e768ad5a14d1f61182cb	bb2ff4d169a2e768ad5a14d1f61182cb	{ "rev": "1-65a84069163071f351515920df5e..." }
d6d29c6868229cc4981b5b7e84c848b5	d6d29c6868229cc4981b5b7e84c848b5	{ "rev": "1-8162d611a3b387a2ed5f41e91eb1..." }
eb04e038b04c9e1d75b6da9fa1b674f0	eb04e038b04c9e1d75b6da9fa1b674f0	{ "rev": "2-be00ee9634c4063e65f3c2dff6b508..." }

Showing document 1 - 3. Documents per page: 100

System tray: ENG US, 9:18 AM 11/19/2022