

## Sprint 4

The image displays two screenshots of the Node-RED web interface, showing the configuration of a function node and a cloudant out node.

**Top Screenshot: Edit function node**

- Properties:** Name: function to clear the form
- Setup:** On Message
- Code:**

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

**Bottom Screenshot: Edit cloudant out node**

- Properties:** Service: node-red-wvjdi-2022--cloudant-1668833977, Database: medicine, Operation: insert, Only store msg.payload object? (checked), Name: Name

Both screenshots show the Node-RED interface with a flow named "Flow 1" and a sidebar with various nodes and functions.

Node-RED on IBM Cloud

node-red-wjdi-2022-11-19-eu-gb.mybluemix.net/red/#flow/f6fbc33ea6a463d5

Node-RED

### Edit form node

Delete Cancel Done

**Properties**

Group: [Home] Home

Size: auto

Label: optional label

Form elements

Label	Name	Type	Required	UIRows	Remove
Medicine name	name	Text	<input checked="" type="checkbox"/>		
Time[HH-MM]	time	Time	<input checked="" type="checkbox"/>		
Date	date	Date	<input checked="" type="checkbox"/>		

☐ Enabled

info info info info

Search flows

Flows

- Flow 1

Subflows

Global Configuration Nodes

form

Node: "663dd2fa928d37db"

Type: ui\_form

show more

Hold down **ctrl** when you **click** on a node port to enable quick-wiring

Type here to search

Node-RED on IBM Cloud

node-red-wjdi-2022-11-19-eu-gb.mybluemix.net/red/#flow/f6fbc33ea6a463d5

Node-RED

filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

Flow 1

### Edit function node

Delete Cancel Done

**Properties**

Name: function to send medicine to iot

Setup On Start On Message On Stop

```
1 msg.payload=msg.payload.name
2 return msg;
```

☐ Enabled

info info info info

Search flows

Flows

- Flow 1

Subflows

Global Configuration Nodes

function to send medicine to iot

Node: "82d4f7971ada4f97"

Type: function

show more

Hold down **ctrl** when you **click** on a node to add or remove it from the current selection

Type here to search

29°C

12:19

25-11-2022

Node-RED on IBM Cloud | ibm cloud login - Yahoo India Se | Application Details - IBM Cloud | Node-RED : node-red-wyjd-202

node-red-wyjd-2022-11-19.eu-gb.mybluemix.net/red/#flow/f6fbc33ea6a463d5

Gmail | YouTube | Maps | Microsoft Forms | Remove multiple eL...

### Node-RED

filter nodes

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

timestamp

#### Edit function node

Delete Cancel Done

Properties

Name: fuction to compare time var

Setup On Start On Message On Stop

```
1 var d=new Date();
2 var utc=d.getTime() + (d.getTimezoneOffset()*60000);
3 var offset=5.5;
4 newDate=new Date(utc + (3600000*offset));
5 var n=newDate.toISOString()
6 var date=n.slice(0,10)
7 var time=n.slice(11,16)
8 global.set("time",time)
9 msg.payload=date+" "+time
10 return msg;
```

Enabled

info

Search flows

Flows

- Flow 1

Subflows

Global Configuration Nodes

function to compare time var

Node: "86e38510bcf90dfc"

Type: function

Hold down **ctrl** when you **click** on a node to add or remove it from the current selection

Type here to search

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### Node-RED

filter nodes

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

IBM IoT

#### Edit text to speech node

Delete Cancel Done

Properties

Name: Name

API Key: .....

Service Endpoint: https://api.au-syd.text-to-speech.watson.cloud.ibm

Format: WAV

☐ Place output on msg.payload

Enabled

info

Search flows

Flows

- Flow 1

Subflows

Global Configuration Nodes

text to speech

Node: "5aeb13b02418fd76"

Type: watson-text-to-speech

Your flow configuration nodes are listed in the sidebar panel. It can be accessed from the menu or with **ctrl-g**

Type here to search

29°C 12:19 25-11-2022

Node-RED on IBM Cloud

node-red-wjdi-2022-11-19.eu-gb.mybluemix.net/red/#flow/f6fbc33ea6a463d5

Node-RED

Flow 1

common

function

IBM IoT

connected

Edit play audio node

Delete Cancel Done

Properties

TTS Voice KateV3

Name Name

Enabled

info

Search flows

Flows

Flow 1

Subflows

Global Configuration Nodes

play audio

Node "7b2f78add7420ccb"

Type play audio

show more

Dragging a node onto a wire will splice it into the link

Type here to search

Node-RED

Flow 1

common

function

Edit function node

Delete Cancel Done

Properties

Name function to store medicine

Setup On Start On Message On Stop

```
1 var d=msg.payload.date;
2 var t=msg.payload.time;
3 var date=d.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
```

function to store medicine

Node "35c6cd0681e9522f"

Type function

show more

Dragging a node onto a wire will splice it into the link

https://node-red-wjdi-2022-11-19.eu-gb.mybluemix.net/red/#editor-tab-properties

Type here to search

