

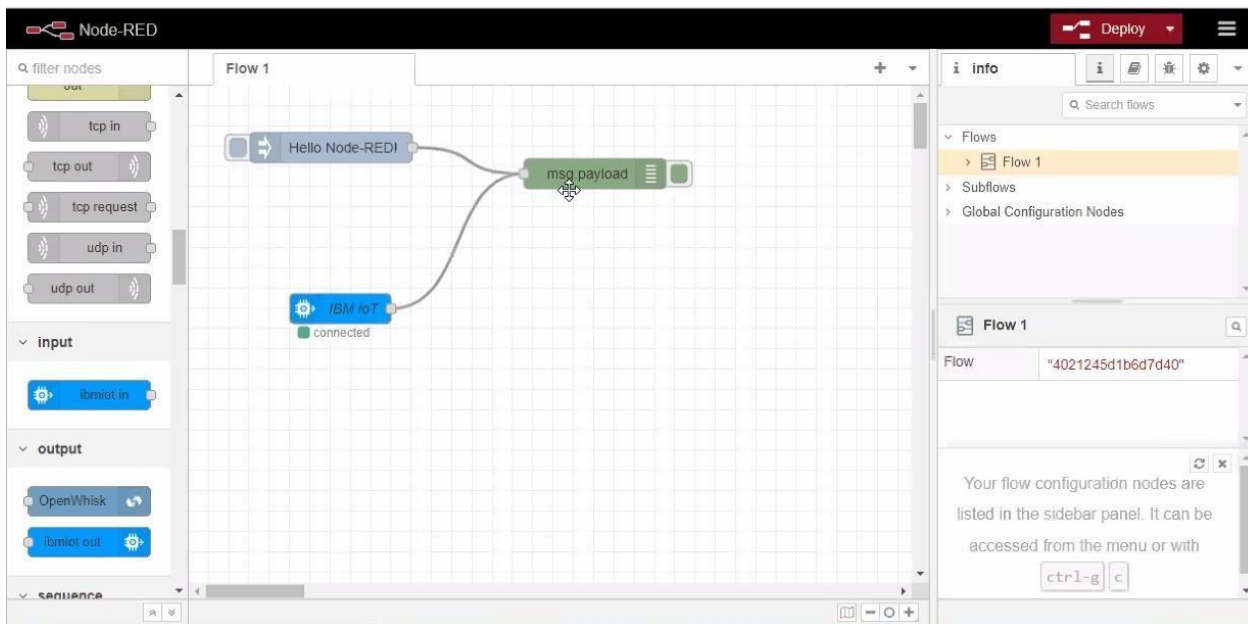
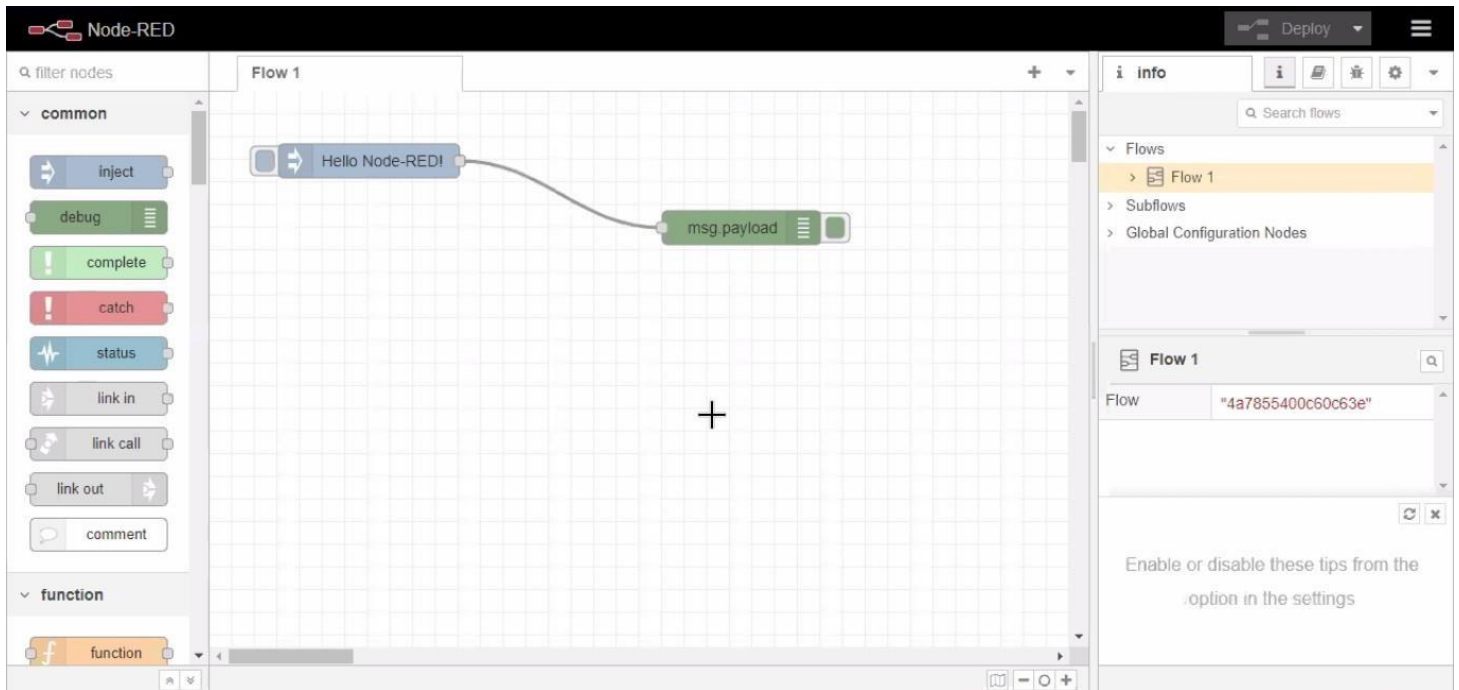
# DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

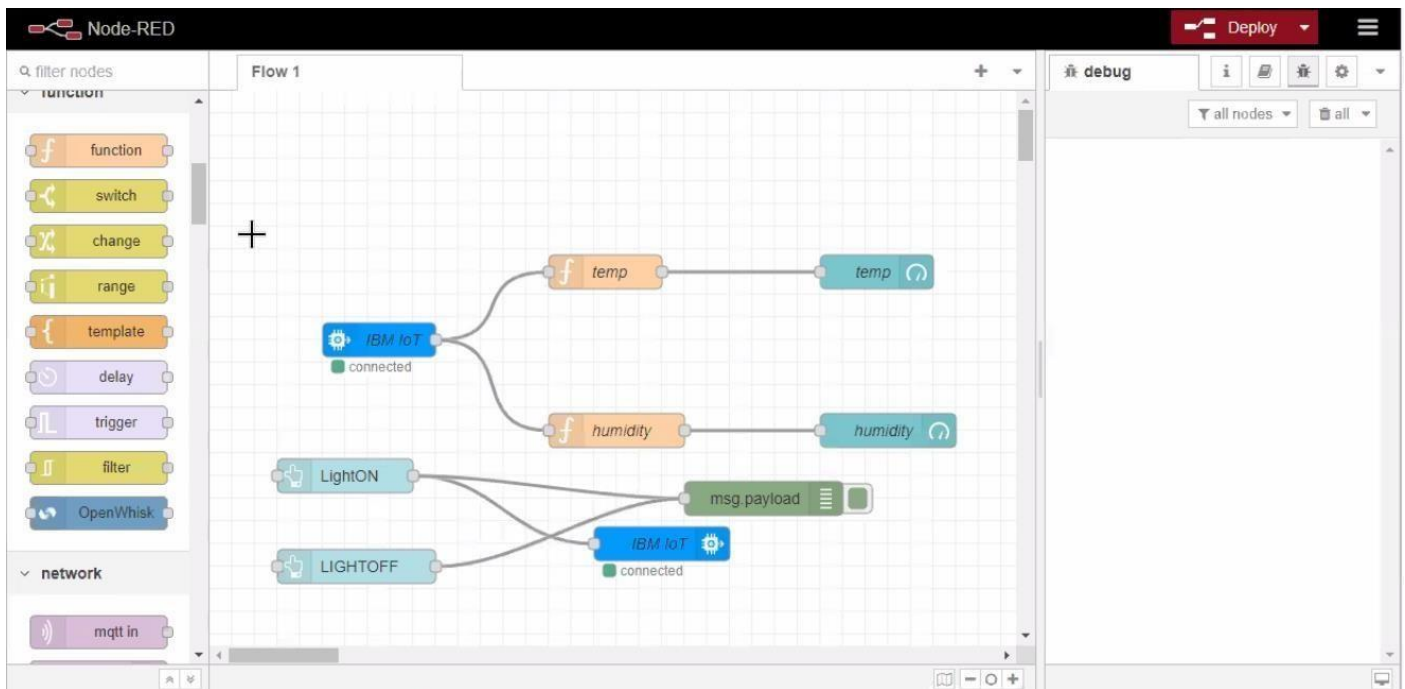
## Develop a Web application using NODE-RED

Date : 14 November 2022

Team ID : PNT2022TMID17036

Project Name Project - SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY





Browser tabs: Welcome, IBM, Running, IBM-EPE, (3) What, Node-RED, Node-RED, Node-RED, Node-RED, IBM Cloud, +. The address bar shows: Not secure | node-red-uzhqs-2022-10-08.au-syd.mybluemix.net/red/#flow/4a7855400c60c63e. The taskbar shows: Gmail, YouTube, Maps, New Raspberry Pi P..., Colorful Clean 5 Poi..., IBM Watson IoT Pla...

Node-RED interface showing a flow named "testing\_flow". The flow starts with an "inject" node connected to a "my\_inject\_node" node. This node connects to a "complete: 1" node. The "Edit debug node" dialog is open, showing the "Properties" tab. The "Output" is set to "msg.payload", "To" is checked for "debug window", and the "Name" is "Output\_node".

```
graph LR; inject[inject] --> my_inject_node[my_inject_node]; my_inject_node --> complete1[complete: 1];
```

**Edit debug node**

Delete Cancel Done

**Properties**

Output: msg.payload

To: ☒ debug window ☐ system console ☐ node status (32 characters)

Name: Output\_node

☐ Enabled

**config**

all unused

- > On all flows
- > testing\_flow
- > Flow 1
- > Flow 2
- > Flow 3

Node-RED interface showing the configuration of an inject node. The browser address bar displays: `node-red-rjzof-2022-10-11.eu-gb.mybluemix.net/red/#flow/280dad2f454afc9d`.

**Edit Inject node**

Properties:

- Name: `testpox`
- msg.payload: `HI Deepika`
- msg.topic: `2`

Inject once after `0.1` seconds, then

Repeat: `none`

☐ Enabled

**debug**

11/4/2022, 10:34:02 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

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msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:02 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

Node-RED interface showing the flow execution. The browser address bar displays: `node-red-rjzof-2022-10-11.eu-gb.mybluemix.net/red/#flow/280dad2f454afc9d`.

Successfully injected: testpox

**Flow 4**

Flow diagram: `testpox` node connected to `yes` node.

**debug**

11/4/2022, 10:34:02 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

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msg.payload : string[10]  
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11/4/2022, 10:34:02 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"

11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
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11/4/2022, 10:34:07 AM node: yes  
msg.payload : string[10]  
"HI Deepika"