

# WEB APPLICATION USING NODE RED

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The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `node-red-tatst-2022-11-13.eu-gb.mybluemix.net/red/#flow/890c6a269b24075b`. The interface is divided into three main sections:

- Left Panel (Node Palette):** Contains two categories of nodes:
  - common:** inject, debug, complete, catch, status, link in, link call, link out, comment.
  - function:** function, switch.
- Center Canvas (Flow 1):** Shows a flow with two nodes connected by a wire: a blue 'test node' (with a refresh icon) and a green 'msg.payload' node.
- Right Panel (Debug Console):** Titled 'debug', it shows a list of log messages. Each entry includes a timestamp, a node ID, and the message payload. The messages are:
  - 11/15/2022, 6:27:46 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"
  - 11/15/2022, 6:27:46 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"
  - 11/15/2022, 6:27:49 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"
  - 11/15/2022, 6:27:51 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"
  - 11/15/2022, 6:27:53 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"
  - 11/15/2022, 6:28:04 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"
  - 11/15/2022, 6:28:06 PM node: f2f2649a.0d0d98 msg.payload : string[16] "WELCOME NODE-RED"

The bottom of the image shows the Windows taskbar with the search bar and system tray icons, including the date and time: 18:29, 15-11-2022.

node-red-tatst-2022-11-13.eu-gb.mybluemix.net/red/#flow/190ea4b8f9e6087b

Node-RED

Flow 1 Flow 2

button dropdown switch slider numeric text input date picker colour picker form text gauge chart audio out notification

IBM IoT connected

msg.payload

debug

all nodes all

```
11/15/2022, 8:14:08 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 29, temperature: 21, humidity: 93 }  
11/15/2022, 8:14:23 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 90, temperature: 47, humidity: 93 }  
11/15/2022, 8:14:26 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 86, temperature: 48, humidity: 90 }  
11/15/2022, 8:14:30 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 82, temperature: 2, humidity: 69 }  
11/15/2022, 8:14:33 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 89, temperature: 33, humidity: 31 }  
11/15/2022, 8:14:37 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 38, temperature: 28, humidity: 8 }  
11/15/2022, 8:15:10 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 77, temperature: 42, humidity: 45 }
```

Type here to search

25°C 20:15 15-11-2022

node-red-tatst-2022-11-13.eu-gb.mybluemix.net/red/#flow/190ea4b8f9e6087b

Node-RED

Flow 1 Flow 2

common

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

function

function switch

IBM IoT connected

temperature random humidity

msg.payload

debug

all nodes all

```
11/15/2022, 8:34:22 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : number  
24  
11/15/2022, 8:34:22 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : number  
61  
11/15/2022, 8:34:22 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : number  
85  
11/15/2022, 8:34:25 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : Object  
  { random: 86, temperature: 2, humidity: 48 }  
11/15/2022, 8:34:25 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : number  
2  
11/15/2022, 8:34:25 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : number  
86  
11/15/2022, 8:34:25 PM node: 2493e0f41bd11bf3  
iot-2/type/iot_device/id/1234/evt/event_1/fmt/json : msg.payload : number  
48
```

Type here to search

25°C 20:34 15-11-2022