

Develop a Web Application Using Node red Service

Use Dashboard nodes for creating UI(Web App)

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The screenshot displays the Node-RED web interface in a browser. The left sidebar shows a list of nodes including numeric, switch, slider, button, dropdown, text input, date picker, gauge, colour picker, text, audio out, form, chart, ui control, notification, and template. The main workspace shows a flow named 'Flow 1' with the following components:

- An **IBM IoT** node (connected) receives data from an external source.
- The data is split into two paths:
 - One path goes through a **msg.payload** node and then to a **Temperature** gauge node.
 - Another path goes through a **Temperature node** and then to a **Humidity** gauge node.
- Below the gauges, there are **light on** and **light off** buttons. Both buttons are connected to a **msg.payload** node, which then connects to a **notification** node.

The right sidebar shows the **debug** console with a log of messages. The messages are JSON objects containing temperature and humidity data, and commands for the light control.

```
11/16/2022, 10:40:08 AM fccb540c0c26b153  
iot-2/typeID26470id/AAJIDiddevtevent_1/fmt/json:  
msg payload: Object  
  { temperature: 48, Humidity: 96 }  
11/16/2022, 11:22:13 AM node: 27a1901b72f660c7  
iot-2/typeID26470id/AAJIDiddevtevent_1/fmt/json:  
msg payload: Object  
  { temperature: 37, Humidity: 17 }  
11/16/2022, 11:28:47 AM node: 27a1901b72f660c7  
iot-2/typeID26470id/AAJIDiddevtevent_1/fmt/json:  
msg payload: Object  
  { temperature: 85, Humidity: 81 }  
11/16/2022, 11:33:52 AM node: 27a1901b72f660c7  
iot-2/typeID26470id/AAJIDiddevtevent_1/fmt/json:  
msg payload: Object  
  { temperature: 38, Humidity: 91 }  
11/16/2022, 1:28:13 PM node: 2c9cctbddd1b261f7  
msg payload: Object  
  { command: "lighton" }  
11/16/2022, 1:46:25 PM node: 2c9cctbddd1b261f7  
msg payload: Object  
  { command: "lightoff" }
```

control

monitoring

Humidity

91

%

LIGHT OFF

weather monitoring

LIGHT ON

Temperature

38

C