

Develop a Web Application Using Node red Service

Use Dashboard nodes for creating UI(Web App)

Date	15 th November 2022
Team Id	PNT2022TMID10955

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with the following components:

- IBM IoT Node:** A blue node labeled 'connected' that receives data from an external source.
- msg.payload:** A green node that receives the data from the IBM IoT node.
- Temperature node:** An orange function node that processes the temperature data.
- Humidity node:** An orange function node that processes the humidity data.
- Temperature and Humidity Output Nodes:** Two blue nodes labeled 'Temperature' and 'Humidity' that display the processed data.
- light on and light off nodes:** Two blue nodes that trigger actions based on the light status.
- msg.payload:** A green node that receives the data from the light on/off nodes.

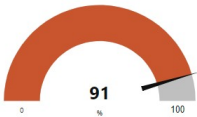
The right-hand panel shows the 'debug' console with a list of messages. The messages are JSON objects containing temperature and humidity data, and commands like 'lighton' and 'lightoff'.

```
11/16/2022, 10:40:08 AM fccb540c0c26b153  
iot-2/typeID26470/id/AAJDiddevEvent_1/fmt/json :  
msg.payload: Object  
  { temperature: 48, Humidity: 96 }  
11/16/2022, 11:22:13 AM node: 27a1901b72860c7  
iot-2/typeID26470/id/AAJDiddevEvent_1/fmt/json :  
msg.payload: Object  
  { temperature: 37, Humidity: 17 }  
11/16/2022, 11:28:47 AM node: 27a1901b72860c7  
iot-2/typeID26470/id/AAJDiddevEvent_1/fmt/json :  
msg.payload: Object  
  { temperature: 85, Humidity: 81 }  
11/16/2022, 11:33:52 AM node: 27a1901b72860c7  
iot-2/typeID26470/id/AAJDiddevEvent_1/fmt/json :  
msg.payload: Object  
  { temperature: 38, Humidity: 91 }  
11/16/2022, 1:28:13 PM node: 2c9cc1bdd1b261f7  
msg.payload: Object  
  { command: "lighton" }  
11/16/2022, 1:46:25 PM node: 2c9cc1bdd1b261f7  
msg.payload: Object  
  { command: "lightoff" }
```

control

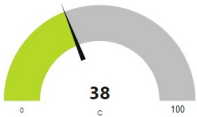
monitoring

Humidity



LIGHT OFF

Temperature



weather monitoring

LIGHT ON