

## Creating a Node-Red UI to view data in Separate Graphical form

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Project Name	Gas Leakage Monitoring and Alerting System for Industries.

After creating the Node Red Web Application, we have to install the UI interface in Node Red.

- Copy and pasting the URL of the Node-Red in the new tab

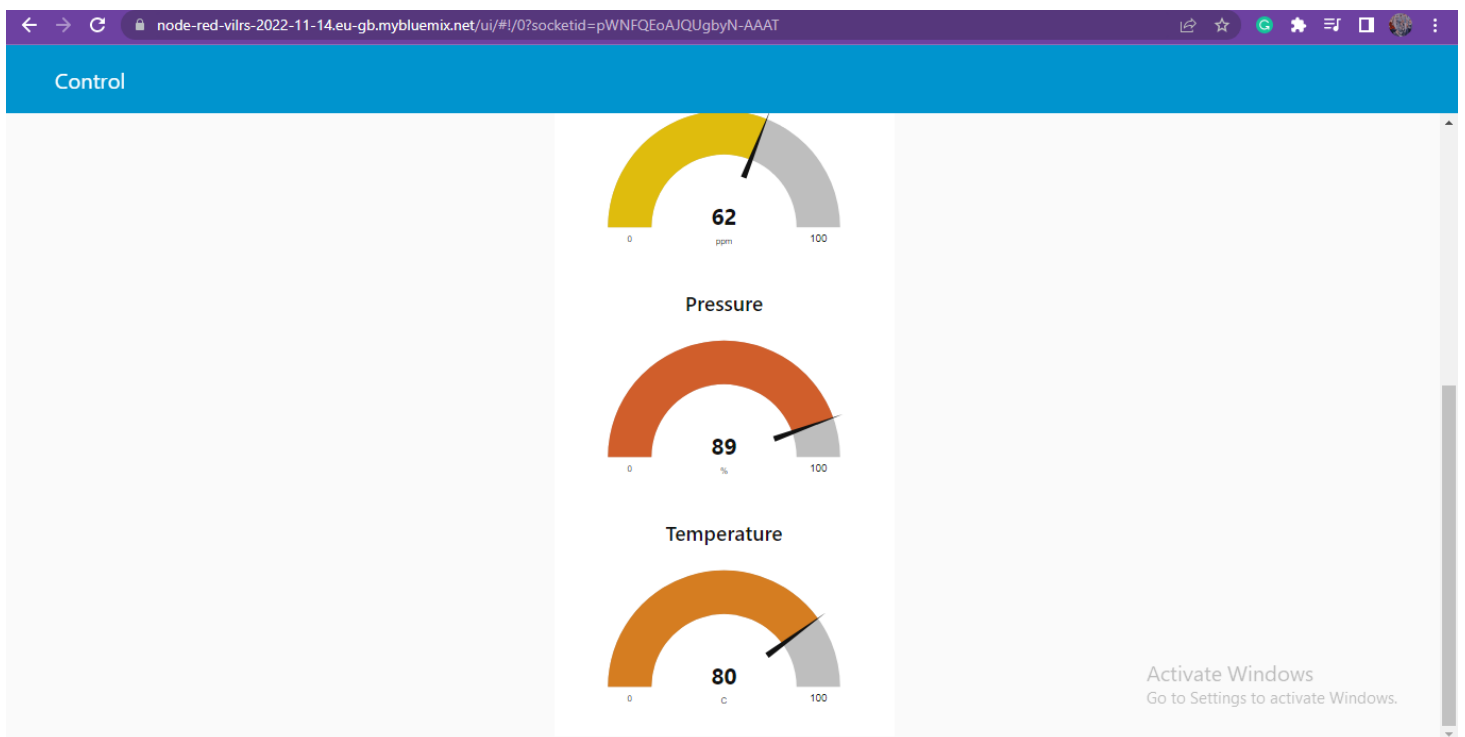
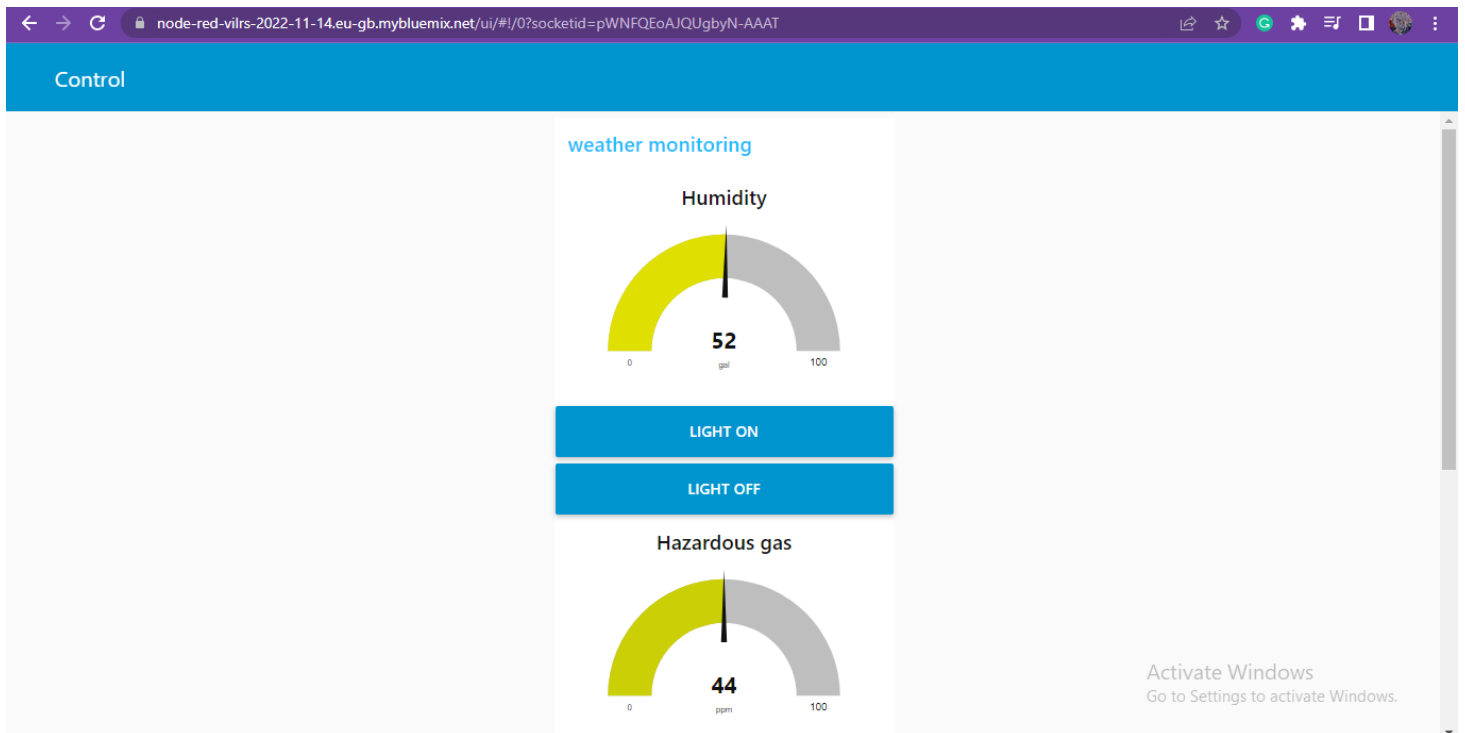
The screenshot displays the Node-RED web application interface. The main workspace shows a flow named 'Flow 1' with the following components:

- Input:** An 'IBM IoT' node (connected) feeds into four function nodes: 'hazardous gas Node', 'pressure Node', 'temperature Node', and 'humidity Node'.
- Processing:** Each function node outputs to a corresponding output node: 'Hazardous gas', 'Pressure', 'Temperature', and 'Humidity'.
- Additional Logic:** A 'msg.payload' node is connected to the 'hazardous gas Node' and 'pressure Node'. Below the main flow, there are 'Light On' and 'Light Off' nodes connected to a 'msg.payload' node.

The right sidebar shows the 'debug' console with the following log entries:

```
11/18/2022, 6:04:08 AM node: 73bc3ccbf51e69df  
iot-  
2/type/weather_device/id/weather_device_1/evt/event_1/fn  
: msg.payload : Object  
{ temperature: 65, humidity: 0,  
hazardous gas: 98, pressure: 58 }  
11/18/2022, 6:04:12 AM node: 73bc3ccbf51e69df  
iot-  
2/type/weather_device/id/weather_device_1/evt/event_1/fn  
: msg.payload : Object  
{ temperature: 38, humidity: 60,  
hazardous gas: 30, pressure: 9 }  
11/18/2022, 6:04:15 AM node: 73bc3ccbf51e69df  
iot-  
2/type/weather_device/id/weather_device_1/evt/event_1/fn  
: msg.payload : Object  
{ temperature: 99, humidity: 81,  
hazardous gas: 3, pressure: 37 }  
11/18/2022, 6:04:18 AM node: 73bc3ccbf51e69df  
iot-  
2/type/weather_device/id/weather_device_1/evt/event_1/fn  
: msg.payload : Object  
{ temperature: 70, humidity: 85,
```

Output:



Link: <https://node-red-vilrs-2022-11-14.eu-gb.mybluemix.net/ui/#!/0?socketid=pWNFQEOAJQUgbyN-AAAT>

**Result:**

Thus, the Node Red UI is created successfully.