

## 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 NodeRed in the new tab

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: <https://node-red-enzae-2022-11-05.eu-gb.mybluemix.net/red/#flow/58386317e0207858>. The interface includes a left sidebar with node categories (common, function), a central workspace with a flow diagram, and a right sidebar with a debug console.

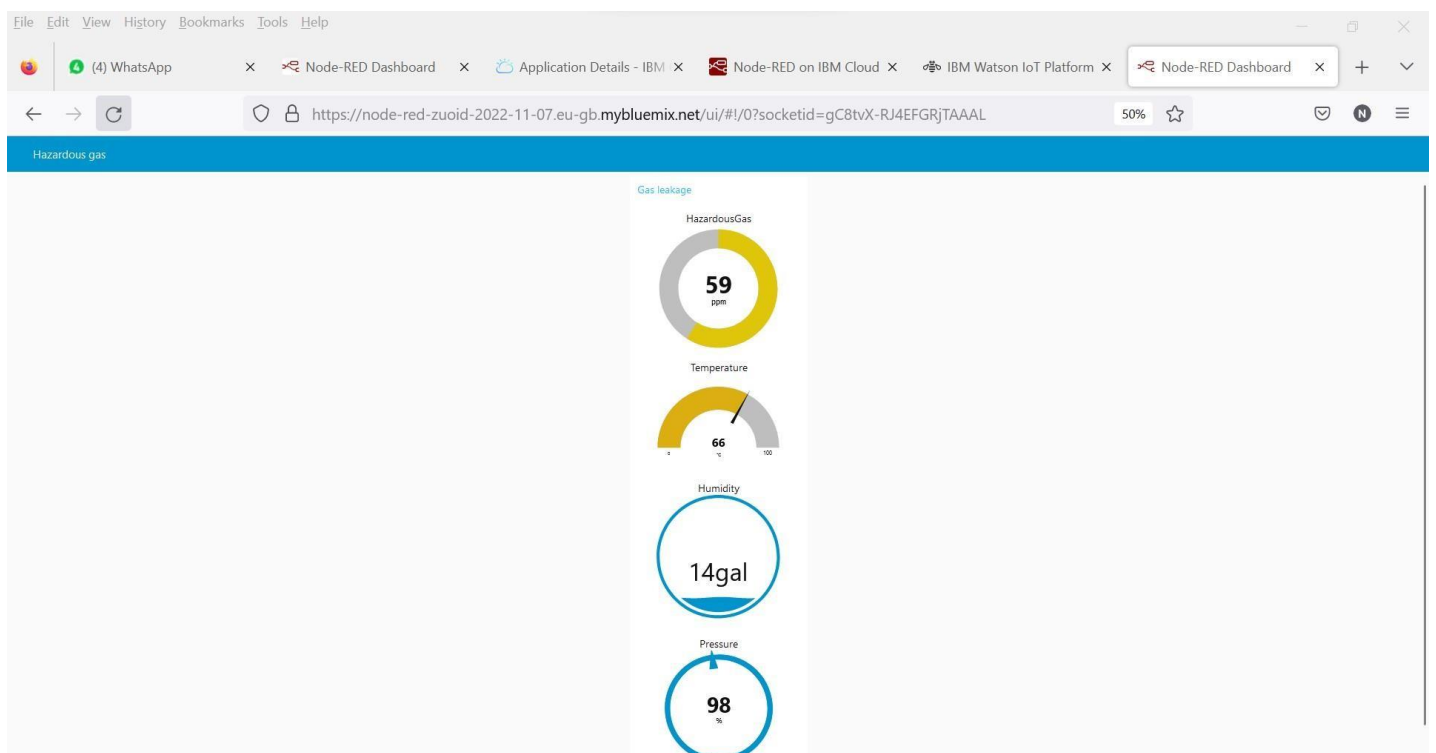
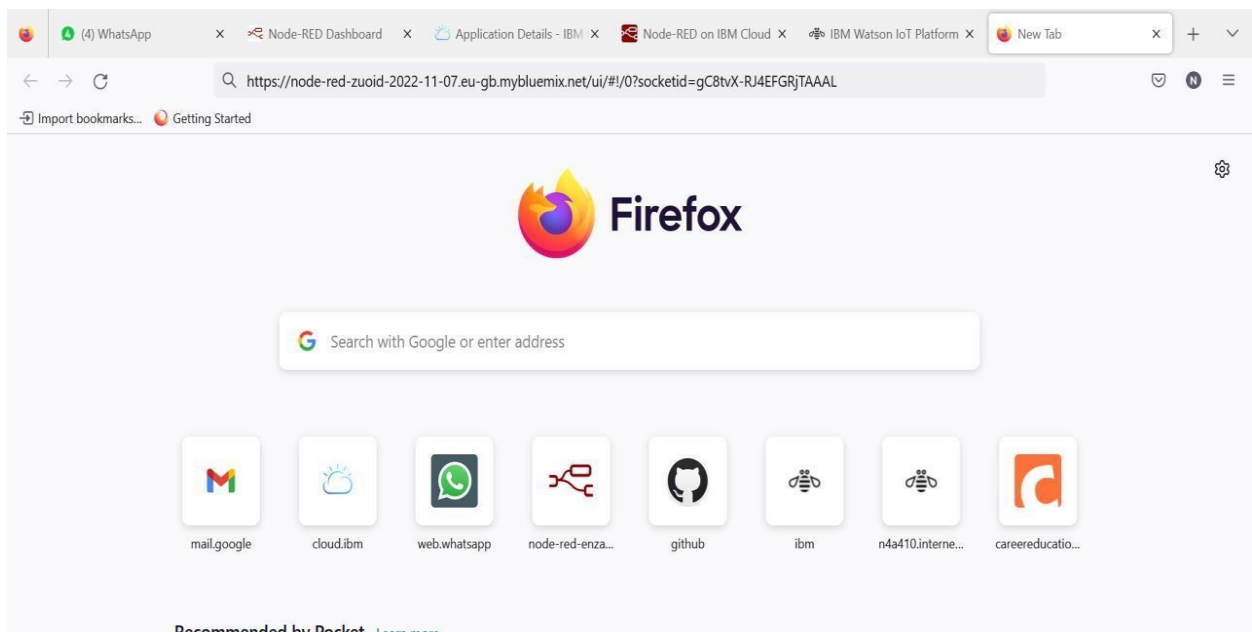
The flow diagram in the central workspace shows the following components and connections:

- Input:** An **IBM IoT** node (blue) is connected to four function nodes (orange) labeled **Hazardous gas**, **Temperature**, **Humidity**, and **Pressure**.
- Processing:** Each function node is connected to a corresponding output node (teal) labeled **Hazardous gas**, **temperature**, **humidity**, and **Pressure**. Additionally, all four function nodes are connected to a **msg.payload** node (green).
- Output:** The **msg.payload** node is connected to a **debug** node (teal) in the right sidebar.

The debug console on the right shows the following log entries:

```
8/11/2022, 9:53:17 pm node: c030ccb05b0e57d6  
iot-2/type/TestDeviceType/id/123456/evt/event_1/fmt/json :  
msg.payload : undefined  
undefined  
8/11/2022, 9:53:17 pm node: c030ccb05b0e57d6  
iot-2/type/TestDeviceType/id/123456/evt/event_1/fmt/json :  
msg.payload : undefined  
undefined  
8/11/2022, 9:53:17 pm node: c030ccb05b0e57d6  
iot-2/type/TestDeviceType/id/123456/evt/event_1/fmt/json :  
msg.payload : Object  
{ Hazardous Gas: 32, temperature: 23,  
humidity: 25, Pressure: 78 }  
8/11/2022, 9:53:17 pm node: c030ccb05b0e57d6  
iot-2/type/TestDeviceType/id/123456/evt/event_1/fmt/json :  
msg.payload : Object  
{ Hazardous Gas: 32, temperature: 23,  
humidity: 25, Pressure: 78 }  
8/11/2022, 9:53:18 nm node: c030ccb05b0e57d6
```

Output :



Link: <https://node-red-zuoid-2022-11-10.eu-gb.mybluemix.net/ui/#!/0?socketid=gC8tvX-RJ4EFGRjTAAAL>

**Result:**

Thus, the Node Red UI is created successfully.