

USE DASHBOARD NODES FOR CREATING UI (WEB APP)

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Project Name	Gas Leakage Monitoring and Alerting System

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 in a browser. The URL bar shows the application is hosted on a Bluemix instance. The interface includes a left sidebar with node categories (common, function), a central workspace for building flows, and a right sidebar for debugging and monitoring.

Flow 1:

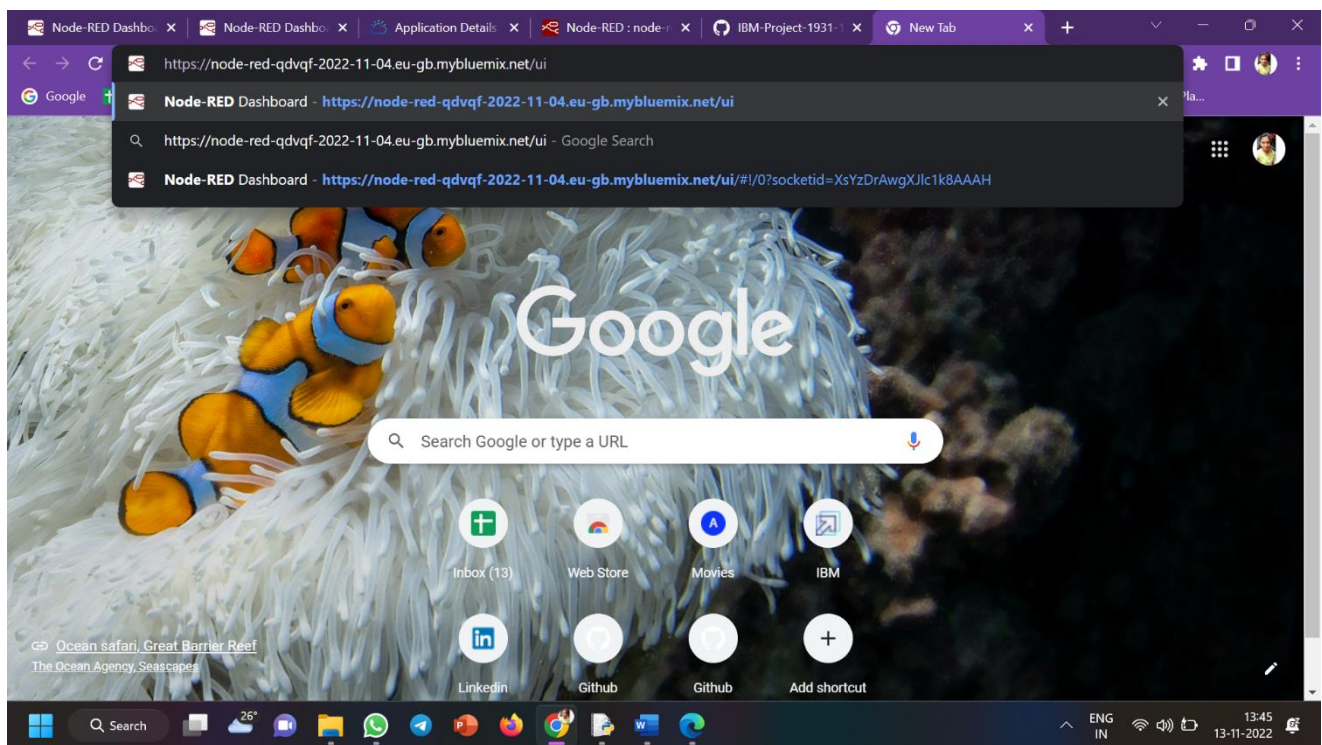
- Inject Node:** Labeled "Hello Node-RED!".
- msg.payload:** A node that receives the payload from the inject node.
- IBM IoT Node:** A blue node labeled "connected".
- Function Nodes:** Two orange nodes labeled "function" and "Gas".
- show notification:** A teal node that receives input from the "function" node.
- gauge:** A teal node that receives input from the "Gas" node.
- msg.payload:** A node that receives input from the "Gas" node.

Debug Console:

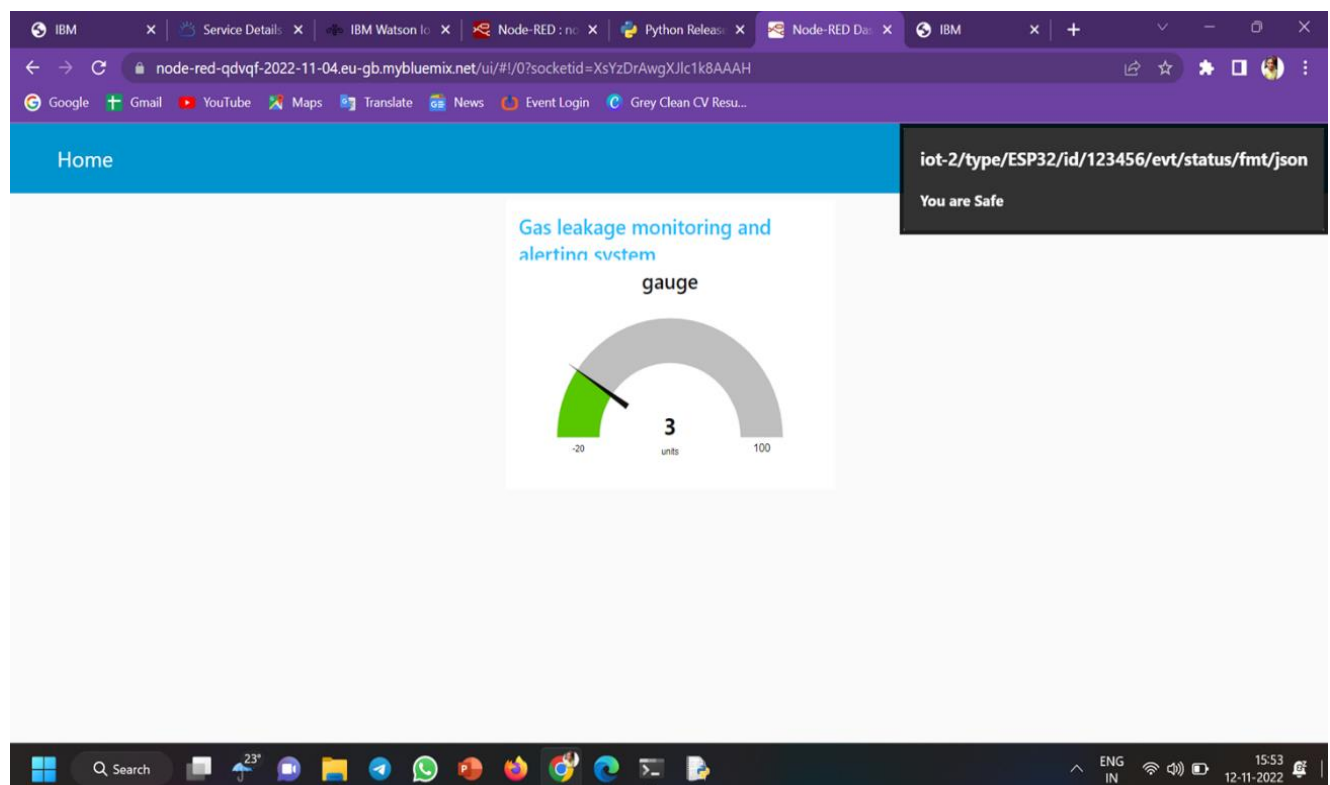
The debug console on the right shows a series of messages received from the IBM IoT node. Each message is an object with a "gas" property and a "status" property. The messages are as follows:

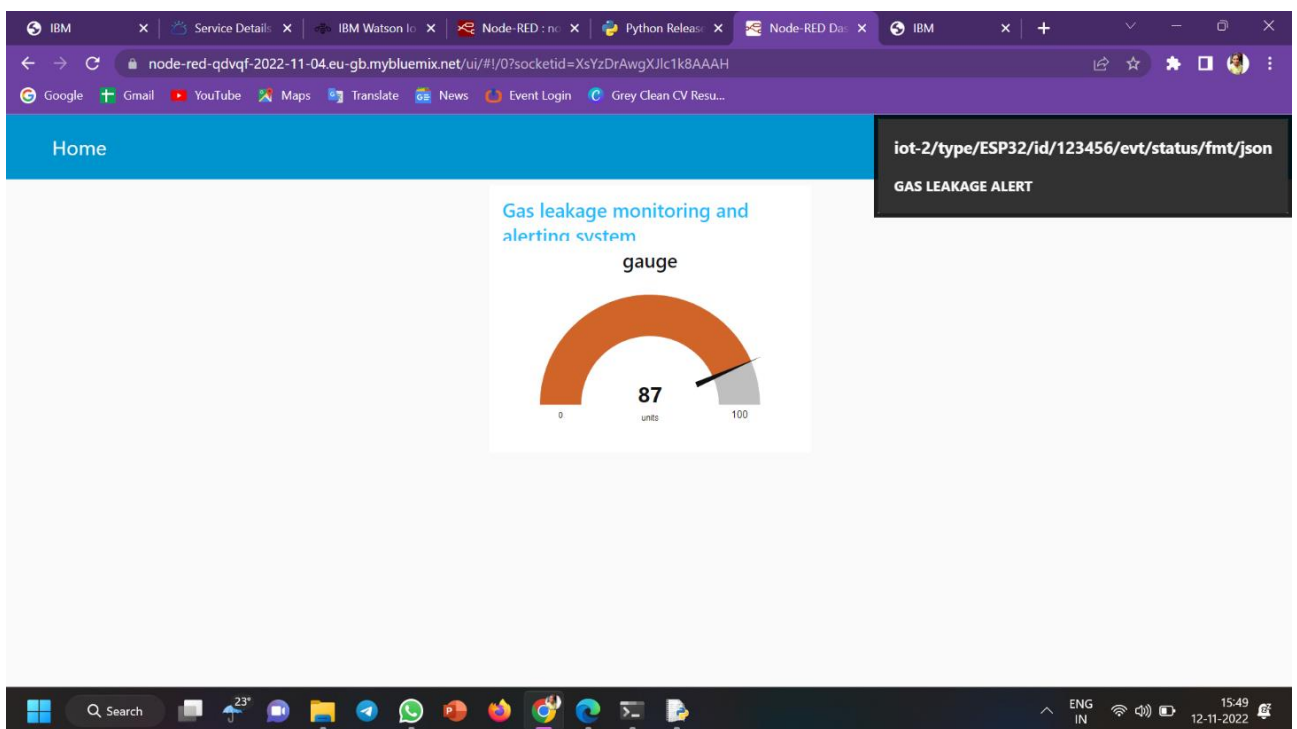
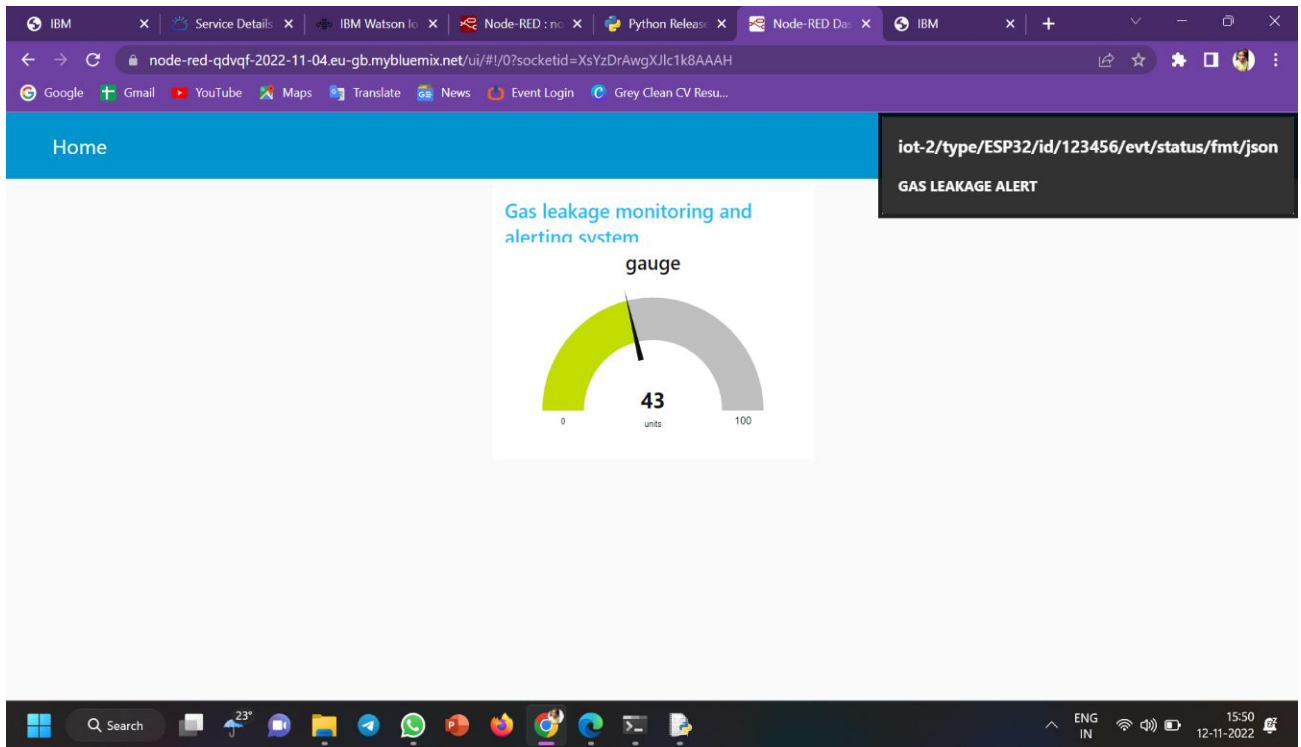
- 11/13/2022, 1:47:45 PM node: a2542f192e780bb3
iot-2/type/ESP32/id/123456/evt/status/fmt/json :
msg.payload : Object
{ gas: 24 }
- 11/13/2022, 1:47:50 PM node: a2542f192e780bb3
iot-2/type/ESP32/id/123456/evt/status/fmt/json :
msg.payload : Object
{ gas: -13 }
- 11/13/2022, 1:47:55 PM node: a2542f192e780bb3
iot-2/type/ESP32/id/123456/evt/status/fmt/json :
msg.payload : Object
{ gas: 96 }
- 11/13/2022, 1:48:00 PM node: a2542f192e780bb3
iot-2/type/ESP32/id/123456/evt/status/fmt/json :
msg.payload : Object
{ gas: 70 }
- 11/13/2022, 1:48:00 PM node: a2542f192e780bb3
iot-2/type/ESP32/id/123456/evt/status/fmt/json :
msg.payload : Object
{ gas: 60 }

❖ Edit the link by adding /ui at end of the link.



OUTPUT:





LINK:

<https://node-red-qdvqf-2022-11-04.eu-gb.mybluemix.net/ui/#!/0?socketid=XsYzDrAwgXJlc1k8AAAH>

RESULT:

Thus, the Node Red UI is created successfully.