

# Create Node-RED Service

Date	16st November 2022
Team ID	PNT2022TMID03557
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Mark	4 marks

**TEAM LEADER: GIRISH M**

**TEAM MEMBER 1: GOKUL SARAN K**

**TEAM MEMBER 2: JAGADEEBAN T**

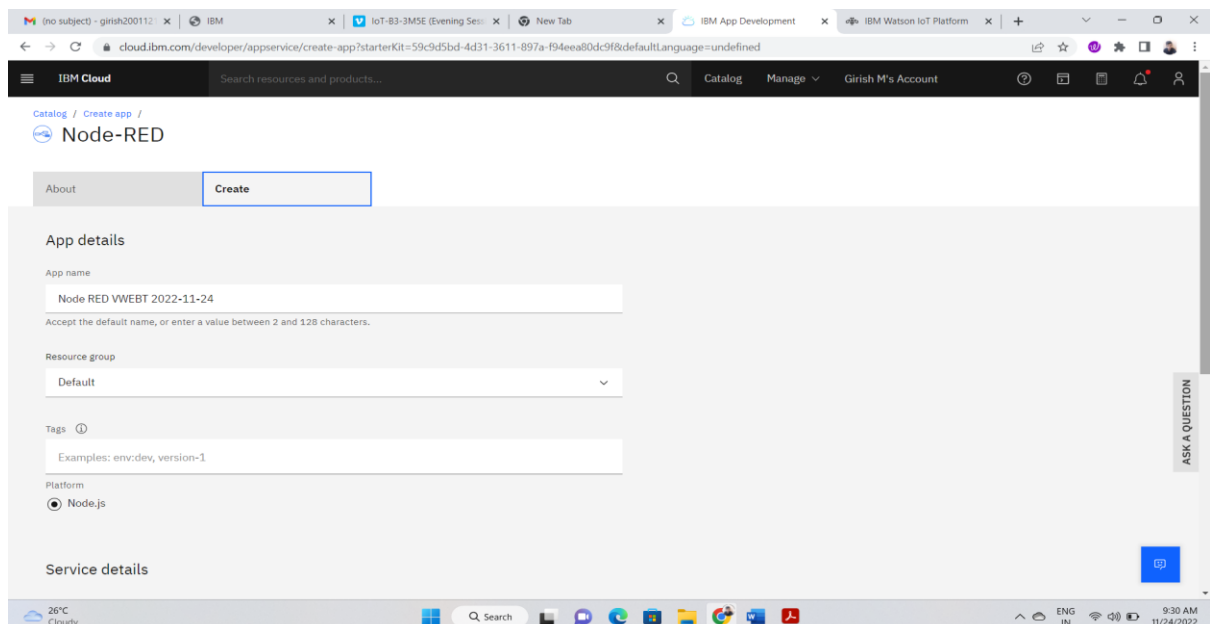
**TEAM MEMBER 3: THOLKAPIAN K**

## Aim:

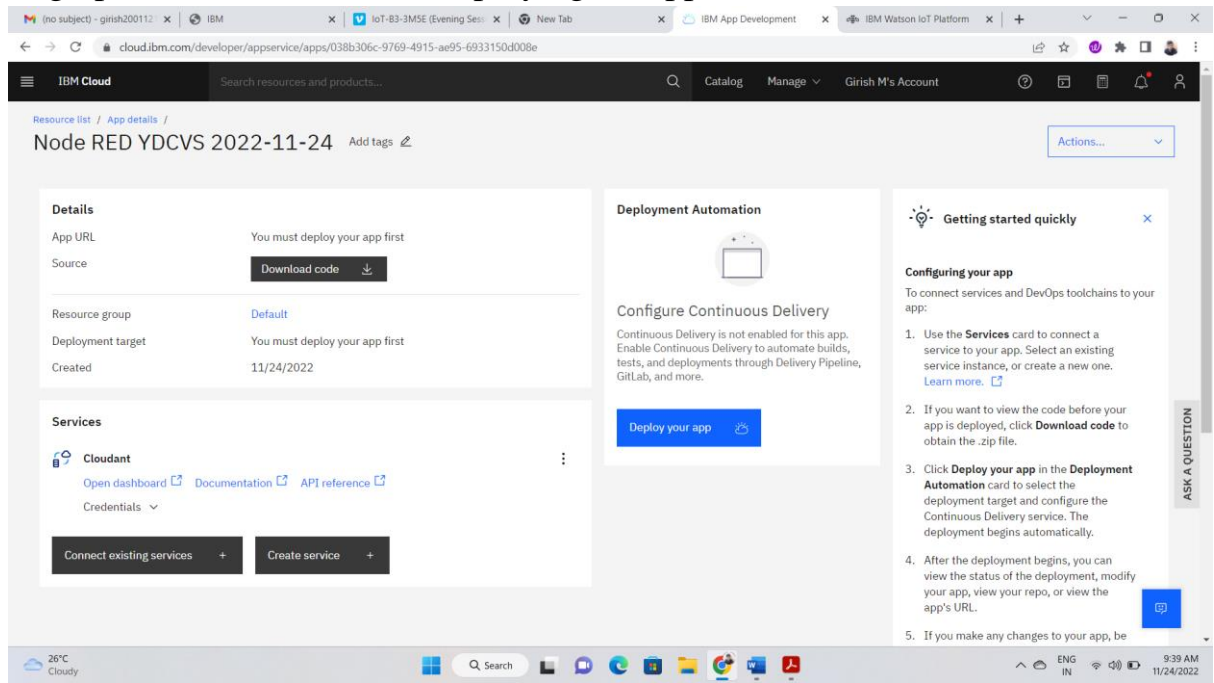
To create a web application, create a Node-RED service.

## Steps to be followed

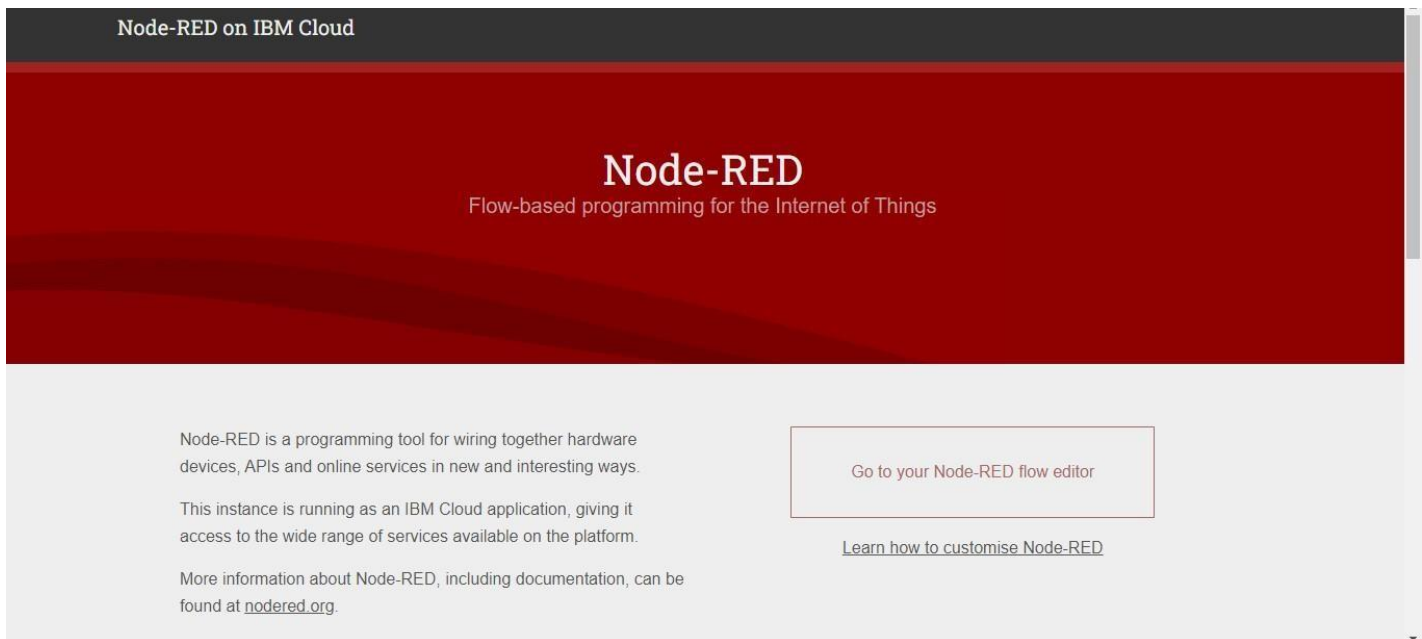
Step 1: Navigated to the App creation page and Entered project details and clicked on create



## Step 2: Clicking on the “Deploy your App” Button and Setting up the environment and deploying the app.



## Step 3: Successfully deployed the app.



## Step 4: Dragged and dropped components into the editor.

The screenshot shows the Node-RED web interface in a browser. The top bar displays several open tabs including WhatsApp, Application, Node-RED, IBM Developer, Service Details, IBM Watson, IOT/ibm\_code, and Download Py. The browser address bar shows the URL: `node-red-lhbvw-2022-11-24.eu-gb.mybluemix.net/red/#flow/753c8be699273b1a`. The main workspace shows a flow named 'Flow 1' with two nodes: a 'Hello World' node and a 'msg.payload' node. The left sidebar shows the 'common' and 'function' node categories. The right sidebar shows the 'debug' console with the following output:

```
11/25/2022, 10:39:52 AM node: fb6f64d5b918857
msg.payload : string[11]
"Hello World"
```

The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

Step 5: Editing some values of the properties.

The screenshot shows the Node-RED web interface in a browser. The top bar displays several open tabs including WhatsApp, Application, Node-RED, IBM Developer, Service Details, IBM Watson IoT, IOT/ibm\_code.py, and Download Py. The browser address bar shows the URL: `node-red-lhbvw-2022-11-24.eu-gb.mybluemix.net/red/#flow/753c8be699273b1a`. The main workspace shows a flow named 'Flow 1' with four nodes: a 'Hello World' node, an 'IBM IoT' node (labeled 'connected'), and two function nodes labeled 'temp' and 'humidity'. The left sidebar shows the 'function' node category. The right sidebar shows the 'debug' console with the following output:

```
14
11/25/2022, 11:18:37 AM node: fb6f64d5b918857
iot-2/type/Device_01/id/Num_01/evl/status/fmt/json :
msg.payload : number
27
11/25/2022, 11:18:39 AM node: fb6f64d5b918857
iot-2/type/Device_01/id/Num_01/evl/status/fmt/json :
msg.payload : number
5
11/25/2022, 11:18:39 AM node: fb6f64d5b918857
iot-2/type/Device_01/id/Num_01/evl/status/fmt/json :
msg.payload : number
92
11/25/2022, 11:18:41 AM node: fb6f64d5b918857
iot-2/type/Device_01/id/Num_01/evl/status/fmt/json :
msg.payload : number
38
11/25/2022, 11:18:41 AM node: fb6f64d5b918857
iot-2/type/Device_01/id/Num_01/evl/status/fmt/json :
msg.payload : number
57
```

The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

## Step 6: Successfully deployed the app



## **Result:**

Successfully created a Node RED service on IBM Cloud.