

Project Milestone and Tasks

Create And Configure IBM Cloud Services - Create Node-RED Service

Date	24 October 2022
Team ID	PNT2022TMID41539
Project Name	Project-Signs with Smart Connectivity for Better Road Safety
Maximum marks	4 Marks

Node-Red service created

The screenshot displays the Node-RED web interface in a browser. The browser tabs include IBM, Weather API - OpenWe, Service Details - IBM C, IBM Watson IoT Platform, Node-RED : node-red, and Node-RED Dashboard. The address bar shows the URL: node-red-xqkno-2022-10-03.mybluemix.net/red/#flow/895a58d22de00831. The Node-RED interface shows a flow named 'Flow 1' with a 'Batch 11' node connected to an 'IBM IoT' node. The 'IBM IoT' node is connected to five function nodes: 'msg.payload', 'temperature', 'MESSAGE', 'sign', and 'Speed'. Each function node is connected to a corresponding output node: 'temperature', 'Message', 'Sign', 'Speed', and 'Visibility'. The left sidebar shows the 'common' and 'function' node categories. The right sidebar shows the 'dashboard' settings, including 'Layout', 'Site', 'Theme', and 'Tabs & Links'. The 'Tabs & Links' section shows a 'Home' tab with a list of links: 'Signs with smart connectiv', 'Hall AC', and 'Smart switch board'.

Node-Red connected with IBM Watson IoT device using device API and Authentication Keys

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `node-red-xqkno-2022-10-03.mybluemix.net/red/#flow/895a58d22de00831`. The interface is divided into several panels:

- Left Panel (Nodes):** Contains a search bar and two categories of nodes: **common** (inject, debug, complete, catch, status, link in, link call, link out, comment) and **function** (function, switch).
- Flow Canvas:** Shows a flow named "Flow 1". It starts with a "Batch 11" node, followed by an "IBM IoT" node (labeled "connected"). The output of the IBM IoT node is connected to five function nodes (labeled "f") via multiple lines.
- Right Panel (Edit ibmiot in node):** A configuration panel for the selected "IBM IoT" node. It includes a "Delete" button, "Cancel", and "Done" buttons. Below these are the **Properties**:
 - Authentication:** API Key
 - API Key:** IBMIOT APIKEY
 - Input Type:** Device Event
 - Device Type:** ☒ All or +
 - Device Id:** ☐ All or device id e.g. ab12cd231a21
 - Event:** ☒ All or +
 - Format:** ☐ All or json
 - QoS:** 0
 - Name:** IBM IoT
 - Service:** registeredAt the bottom of this panel is a radio button for **Enabled**.
- Far Right Panel (Dashboard):** Shows a "dashboard" view with tabs for "Layout", "Site", and "Theme". It also has a "Tabs & Links" section with a "Home" tab and a list of links: "Signs with smart connectiv", "Hall AC", and "Smart switch board".

The Windows taskbar at the bottom shows the time as 23:57 on 18-11-2022, along with various system icons and application icons.

Node-Red nodes created using Dashboard

Node-RED Dashboard layout editor : Home

Cancel Done

Signs with smart connectivity for better road safety Width: 6

		Message template			
		Sign template			
		Speed template			
		Visibility template			
		temperature gauge			

Hall AC Width: 6

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Smart switch board Width: 6

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dashboard Layout Site Theme

Tabs & Links

- Home
 - Signs with smart connectivity
 - spacer 6x1
 - Message
 - Sign
 - Speed
 - Visibility
 - temperature
 - Hall AC
 - Smart switch board

06:06 19-11-2022

Node-Red nodes Preview

