

Create Node-RED Service

Date	16st November 2022
Team ID	PNT2022TMID45387
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Mark	4 marks

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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

Accept the default name, or enter a value between 2 and 128 characters.

Resource group

Default

Tags ⓘ

Examples: env:dev, version-1

Platform

☒ Node.js

Service details

Cloudant*

* = You have existing instances of this service available to use in this kit. If you wish to use the existing service, select it from the pricing plan menu.

Region

Sydney

Resource group

Default

ASK A QUESTION

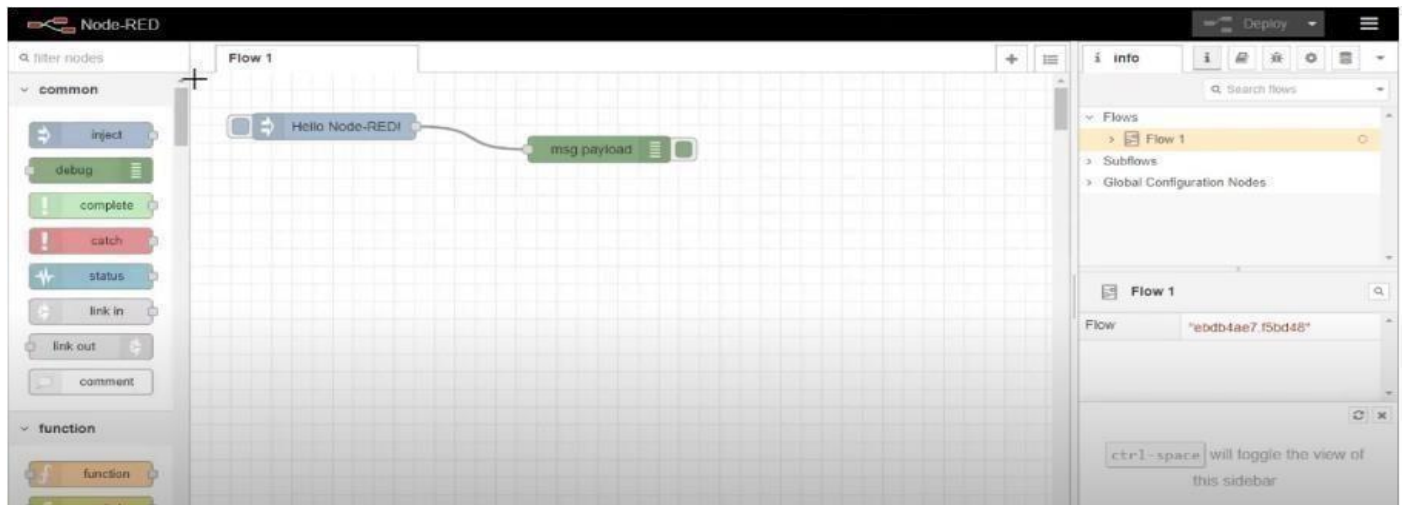
Step 2: Clicking on the “Deploy your App” Button and Setting up the environment and deploying the app.

The screenshot shows the IBM Cloud console interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user's account (ABDUL AZIZ M's Account). Below the navigation bar, the breadcrumb trail reads "Resource list / App details /". The main heading is "Node RED BWJOZ 2022-11-10" with an "Add tags" link. To the right of the heading is an "Actions..." dropdown menu. The page is divided into two main sections. The left section, titled "Details", contains a table with the following information: App URL (https://node-red-bwjoz-2022-11-10.eu-gb.mybluemix.net), Source (https://eu-gb.git.cloud.ibm.com/abdulazimrk/NodeREDBWJOZ202...), Resource group (Default), Deployment target (Node RED BWJOZ 2022-11-10), and Created (10/11/2022). Below the details section is a "Services" section featuring the "Cloudfant" service with links to "Open dashboard", "Documentation", and "API reference", and a "Credentials" dropdown. At the bottom of the services section are two buttons: "Connect existing services" and "Create service". The right section, titled "Deployment Automation", shows the "Name" as "NodeREDBWJOZ2022-11-10", the "Location" as "London", and "Tool integrations" with icons for GitHub, Docker, and Jenkins. Below this is a "Delivery Pipelines" section with two entries: "pr-pipeline" with a status of "No stages detected" and "ci-pipeline" with a status of "Success". A vertical "ASK A QUESTION" button is located on the far right edge of the console.

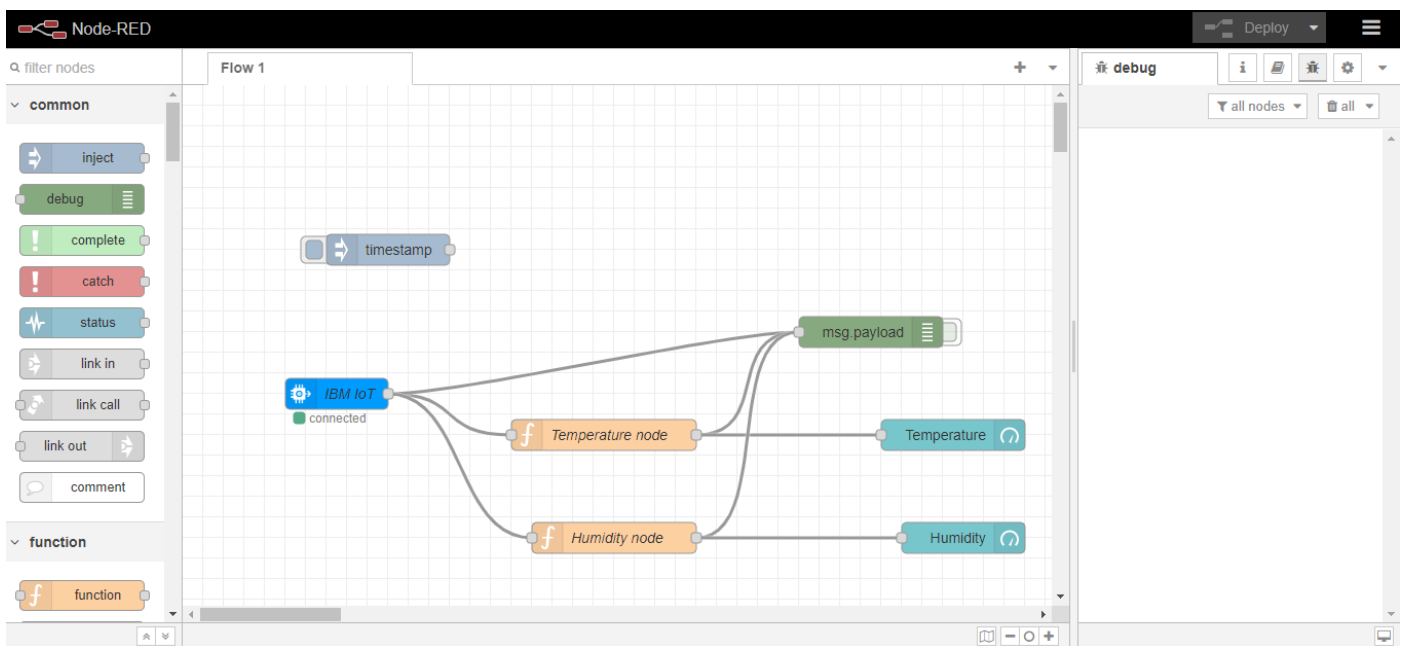
Step 3: Successfully deployed the app.

The screenshot shows the Node-RED web interface. At the top, there's a dark header with the text "Node-RED on IBM Cloud". Below the header is a large red banner with the text "Node-RED" in white, followed by "Flow-based programming for the Internet of Things". Below the banner, there's a light gray section containing text about Node-RED: "Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.", "This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.", and "More information about Node-RED, including documentation, can be found at nodered.org". To the right of this text is a button that says "Go to your Node-RED flow editor". Below the button is a link that says "Learn how to customise Node-RED".

Step 4: Dragged and dropped components into the editor.



Step 5: Editing some values of the properties.



Step 6: Successfully deployed the app.



Result:

Successfully created a Node RED service on IBM Cloud.