

# Create Node-RED Service

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Team ID	PNT2022TMID18426
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

## Aim:

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

## Steps to be followed

Step 1: Navigated to the App creation page.

The screenshot shows the IBM Cloud 'Create app' page for Node-RED. The page has a dark header with the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (Nagarajan Selvaraj's Ac...). Below the header, the breadcrumb 'Catalog / Create app /' is visible, followed by the 'Node-RED' title and icon. The main content area is divided into two tabs: 'About' (selected) and 'Create'. The 'About' tab contains a sidebar with 'Details', 'Source code', and 'Helpful links'. The 'Details' section lists the author as IBM, updated on 2/11/2020, and the type as 'Starter kit'. The 'Source code' section has a 'GitHub' link. The 'Helpful links' section has 'Terms' and 'Tutorial' links. The main content area under 'About' has an 'Overview' section with a description: 'This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, generate and download the code, use the IBM Cloud Developer Tools CLI to run and debug locally, then deploy to Cloud Foundry or a DevOps Pipeline.' Below this is a section 'This starter kit will help you' with three bullet points: 'Generate an application with Node-RED', 'Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline', and 'Connect to provisioned services'. Further down is a 'What's included?' section featuring a 'Cloudant' service card with 'Free to start' and 'View pricing' options, and links for 'View docs' and 'View API reference'. At the bottom left is a blue 'Get started' button. At the bottom right, there is an 'Activate Windows' watermark and a small 'ASK A QUESTION' button.

## Step 2: Entered project details and clicked on create

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 user information. Below the navigation bar, the 'Default' resource group is selected. The 'Tags' section has a text input field with examples: 'env:dev, version-1'. The 'Platform' section has a radio button selected for 'Node.js'. The 'Service details' section shows 'Cloudant' as the selected service. Below this, there's a note about existing instances. The 'Region' is set to 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' section has a dropdown menu showing 'node-red+defl-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. A 'Pricing details' link and a 'Terms' link are also visible. On the right side, there's a vertical button labeled 'ASK A QUESTION'.

## Step 3: Clicking on the “Deploy your App” Button.

The screenshot shows the IBM Cloud console interface for a specific application. The top navigation bar is the same as in the previous screenshot. Below it, the breadcrumb navigation shows 'Resource list / App details /'. The main heading is 'Node RED QHNJV 2022-10-26' with an 'Add tags' link. To the right of the heading is an 'Actions...' dropdown menu. The main content area is divided into three sections. The left section, titled 'Details', contains a table with the following information: App URL (You must deploy your app first), Source (Download code button), Resource group (Default), Deployment target (You must deploy your app first), and Created (10/26/2022). The middle section, titled 'Deployment Automation', contains a 'Configure Continuous Delivery' card with a 'Deploy your app' button. The right section, titled 'Getting started quickly', contains a 'Configuring your app' card with a list of steps: 1. Use the Services card to connect a service to your app. 2. If you want to view the code before your app is deployed, click Download code to obtain the .zip file. 3. Click Deploy your app in the Deployment Automation card to select the deployment target and configure the Continuous Delivery service. 4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL. 5. If you make any changes to your app, be... At the bottom of the 'Getting started quickly' section, there's a 'Go to Settings to activate Windows' link. On the right side, there's a vertical button labeled 'ASK A QUESTION'.

Step 4: Setting up the environment and deploying the app.

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Nagarajan Selvaraj's Ac...

?

IBM Cloud Foundry Public is deprecated. [Learn more](#)

IBM Cloud API key

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New

Number of instances

1

Memory allocation per instance

64 MB

2000 MB

256

Region

Organization

Space

Region

Organization

Space

Host

node-red-qhny-2022-10-26

Domain

No domain available

Cancel

Next

Activate Windows

Go to Settings to activate Windows

If your account doesn't have a Cloud Foundry org, you must create one. [Create org](#)

Steps

1. Select the number of instances, memory allocation, **region**, **org**, and **space**.

2. Select the **domain** and provide a **host** name.

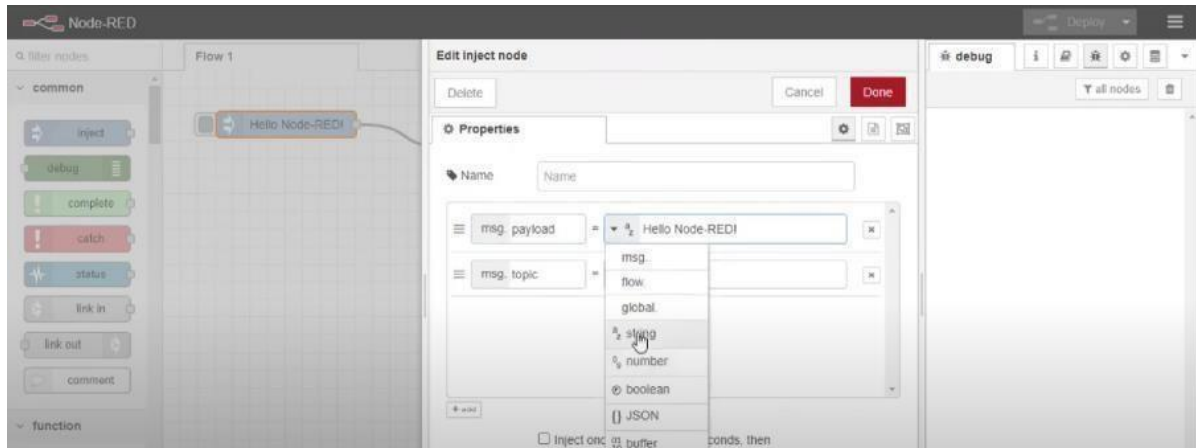
ASK A QUESTION

Step 5: Successfully deployed the app.

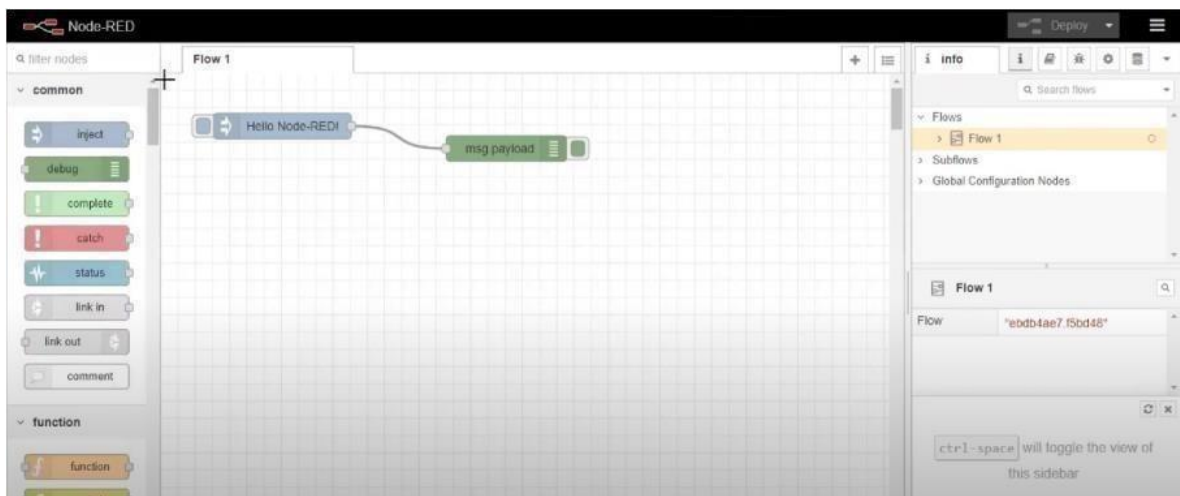
## Delivery Pipelines

Name	ci-pipeline
Status	<span>✓</span> Success
Last input	Last commit by IBM Cloud DevOps Services (7 minutes ago) <a href="#">Clone from zip</a>

Step 6: Dragged and dropped components into the editor.



Step 7: Editing some values of the properties.



Step 8: Successfully deployed the app.



### **Result:**

Successfully created a Node RED service on IBM Cloud.