

# Create Node-RED Service

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Team ID	PNT2022TMID05250
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 Catalog interface for creating a new application. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and the user profile (Nagarajan Selvaraj's Account). The main content area is titled 'Node-RED' and has two tabs: 'About' (selected) and 'Create'. The 'About' tab displays details about the starter kit, including its author (IBM), update date (2/11/2020), and type (Starter kit). It also provides links to the source code on GitHub, helpful links, terms, and a tutorial. The 'Overview' section describes the starter kit as a pre-configured Node-RED application that includes a Cloudbant service for storing application flow configuration. It lists three key features: generating an application with Node-RED, generating an application with files for deploying to Cloud Foundry or a DevOps Pipeline, and connecting to provisioned services. A 'What's included?' section highlights the Cloudbant service, which is free to start, and provides links to view docs and API reference. A 'Get started' button is prominently displayed at the bottom left. The bottom right corner features a Windows activation watermark and a 'Go to Settings to activate Windows' link.

IBM Cloud Search resources and products... Catalog Manage Nagarajan Selvaraj's Account

Catalog / Create app / Node-RED

About Create

Details  
Author IBM  
Updated 2/11/2020  
Type Starter kit

Source code  
GitHub

Helpful links  
Terms  
Tutorial

Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudbant 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.

This starter kit will help you

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

What's included?

Cloudbant Free to start View pricing View docs View API reference

Get started

Activate Windows Go to Settings to activate Windows

ASK A QUESTION

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

The screenshot shows the IBM Cloud console interface for creating a new service. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main content area is titled 'Resource group' and shows a 'Default' dropdown. Below this, there's a 'Tags' section with a text input field containing 'Examples: env:dev, version-1'. The 'Platform' section has a radio button selected for 'Node.js'. The 'Service details' section includes a note about existing instances and a 'Region' dropdown set to 'Frankfurt'. The 'Pricing plan' section shows a dropdown menu with 'node-red+defl-2022--cloudant-1666683139018' selected. At the bottom, there are 'Cancel' and 'Create' buttons. A vertical 'ASK A QUESTION' button is on the right side.

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

The screenshot shows the IBM Cloud console interface for a newly created service. The top navigation bar is the same as in Step 2. The main content area is titled 'Node RED QHNJV 2022-10-26' and shows a 'Details' section with fields for 'App URL', 'Source', 'Resource group', 'Deployment target', and 'Created'. The 'Source' field has a 'Download code' button. Below this, there's a 'Services' section with a 'Cloudant' service listed. A 'Deploy your app' button is visible in the 'Deployment Automation' section. A vertical 'ASK A QUESTION' button is on the right side.

**Details**

App URL	You must deploy your app first
Source	<a href="#">Download code</a>
Resource group	Default
Deployment target	You must deploy your app first
Created	10/26/2022

**Services**

- Cloudant
  - [Open dashboard](#)
  - [Documentation](#)
  - [API reference](#)
  - [Credentials](#)

**Deployment Automation**

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

[Deploy your app](#)

**Getting started quickly**

**Configuring your app**

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more.](#)
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. The deployment begins automatically.
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

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

IBM Cloud

Search resources and products...

Catalog

Manage

Nagarajan Selvaraj's Ac...

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

IBM Cloud API key

.....

New

Number of instances

1

Memory allocation per instance

64 MB

2000 MB

256

Region

Organization

Space

Region

Organization

Space

Host

Domain

node-red-qhnyv-2022-10-26

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**.

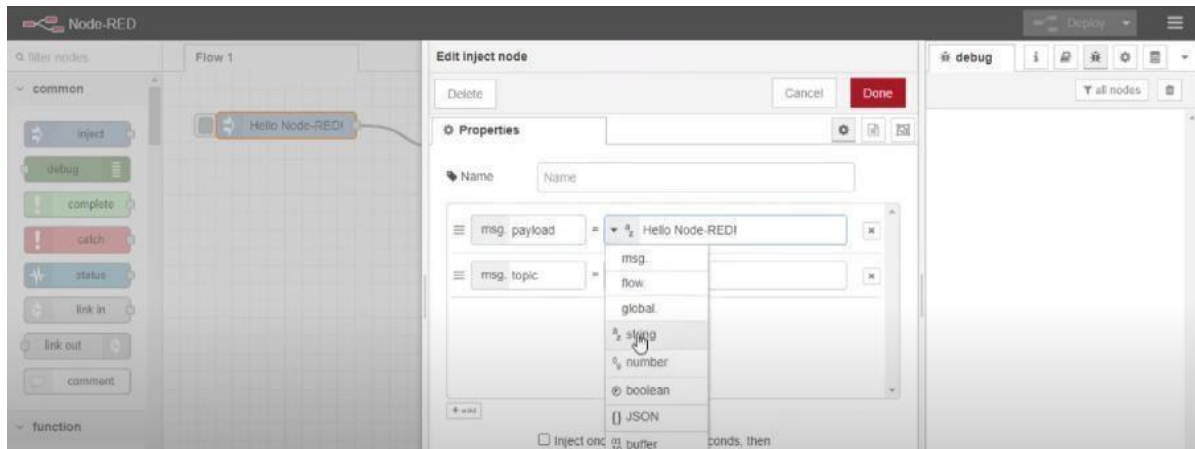
2. Select the **domain** and provide a **host** name.

ASK A QUESTION

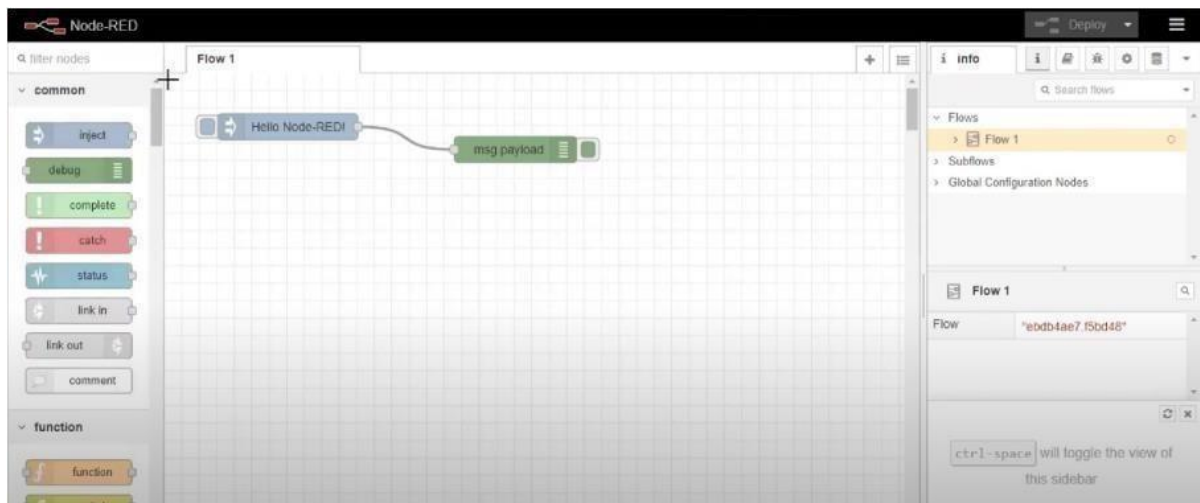
Step 5: Successfully deployed the app.

Delivery Pipelines	
Name	ci-pipeline
Status	Success
Last input	Last commit by IBM Cloud DevOps Services (7 minutes ago) Clone from zip

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.