

# Create Node-RED Service

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Team ID	PNT2022TMID39560
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 'Node-RED' app page in the IBM Cloud Catalog. The page has a top navigation bar with 'Catalog / Create app /' and the 'Node-RED' title. Below the title, there are two tabs: 'About' (selected) and 'Create'. The 'About' tab contains a sidebar with 'Details', 'Source code', 'Helpful links', and 'Tutorial'. The main content area is titled 'Overview' and describes the starter kit. It includes a list of features: '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'. There is also a section 'What's included?' featuring the 'Cloudant' service with links to 'View docs' and 'View API reference'. At the bottom, there is a 'Get started' button and an 'Activate Windows' watermark.

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 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.

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?

Cloudant  
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

This screenshot shows the 'Create new resource' page in the Azure portal for a Node.js service. The 'Resource group' is set to 'Default'. The 'Tags' field has examples: 'env:dev, version-1'. The 'Platform' is 'Node.js'. Under 'Service details', the 'Cloudant' service is selected. A note indicates that existing instances can be used. The 'Region' is 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' dropdown is set to 'node-red+defl-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. An 'Activate Windows' watermark is visible in the bottom right corner.

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

This screenshot shows the 'Node RED QHNJV 2022-10-26' app details page in the Azure portal. The page is divided into several sections: 'Details' (App URL, Source, Resource group, Deployment target, Created), 'Services' (Cloudant service with links to Open dashboard, Documentation, and API reference), 'Deployment Automation' (Configure Continuous Delivery with a 'Deploy your app' button), and 'Getting started quickly' (a list of steps for configuring the app). The 'Deploy your app' button is highlighted in blue. An 'Activate Windows' watermark is visible in the bottom right corner.

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

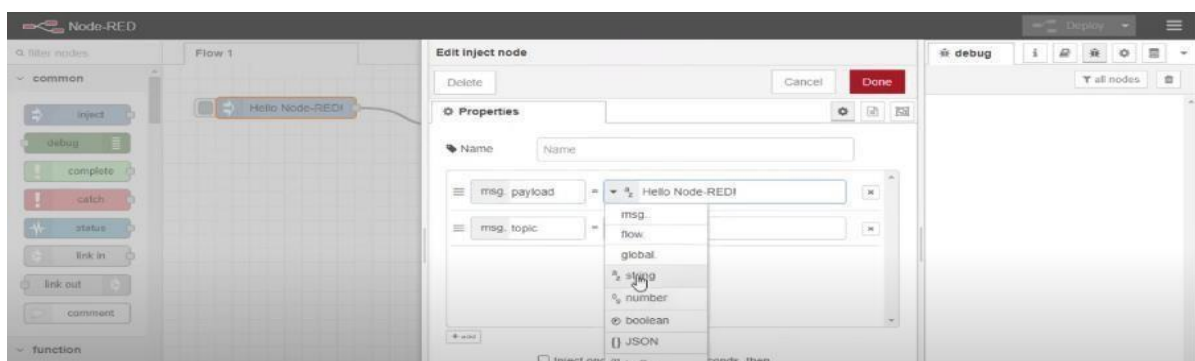
The screenshot shows the IBM Cloud Foundry console interface for configuring a new application. At the top, there is a notification banner stating "IBM Cloud Foundry Public is deprecated." Below this, the "IBM Cloud API key" field is visible. The "Number of Instances" is set to 1. The "Memory allocation per instance" is shown as a slider between 64 MB and 2000 MB, currently set at 256 MB. The "Region", "Organization", and "Space" dropdown menus are all set to "Region". The "Host" field is populated with "node-red-ghnjv-2022-10-26", and the "Domain" field shows "No domain available". At the bottom, there are "Cancel" and "Next" buttons. On the right side, a sidebar contains a "ASK A QUESTION" button and a list of steps: "1. Select the number of instances, memory allocation, region, org, and space." and "2. Select the domain and provide a host name."

Step 5: Successfully deployed the app.

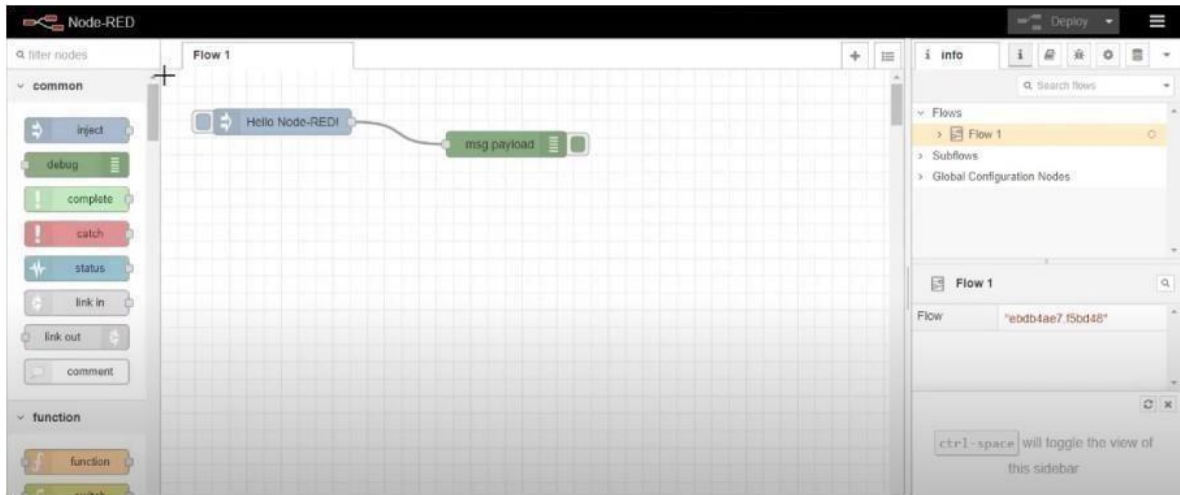
## Delivery Pipelines

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.