

# Create Node-RED Service

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Team ID	PNT2022TMID17427
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 'Create app' page for Node-RED in the IBM Cloud Catalog. The page has a header with 'Catalog / Create app /' and the Node-RED logo. Below the header, 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, which includes a pre-configured Node-RED application and a Cloudant service. It lists three steps: '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'. Below this, it says 'What's included?' and shows a 'Cloudant' service card with 'Free to start' and 'View pricing' links. 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' page in the Azure portal for a Node.js web app. The 'Platform' is set to 'Node.js'. Under 'Service details', the 'Cloudant' service is selected. The 'Region' is 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' dropdown shows 'node-red-1def1-2022--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' page in the Azure portal. The page is divided into several sections:

- Details:** A table showing 'App URL' (You must deploy your app first), 'Source' (with a 'Download code' button), 'Resource group' (Default), 'Deployment target' (You must deploy your app first), and 'Created' (10/26/2022).
- Services:** A section for 'Cloudant' with links for 'Open dashboard', 'Documentation', and 'API reference', and a 'Credentials' dropdown. At the bottom are 'Connect existing services' and 'Create service' buttons.
- Deployment Automation:** A section titled 'Configure Continuous Delivery' with a 'Deploy your app' button.
- Getting started quickly:** A sidebar on the right with a list of steps for configuring the app, including connecting services, downloading code, and deploying the app.

An 'Activate Windows' watermark is visible in the bottom right corner.

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

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

Region

Organization

Organization

Space

Space

Host

node-red-qhrjv-2022-10-26

Domain

No domain available

Cancel

Next

• 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

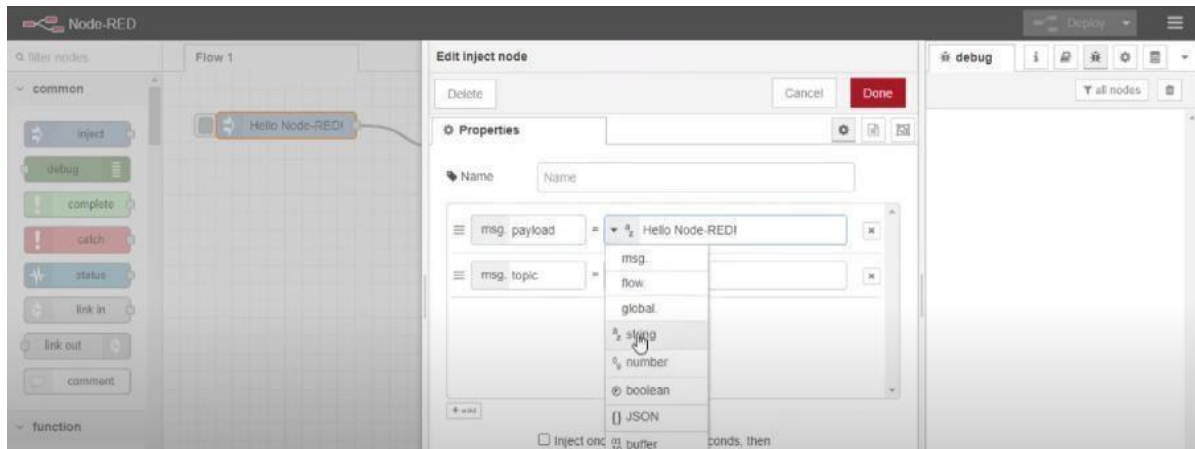
Activate Windows  
Go to Settings to activate Windows

Step 5: Successfully deployed the app.

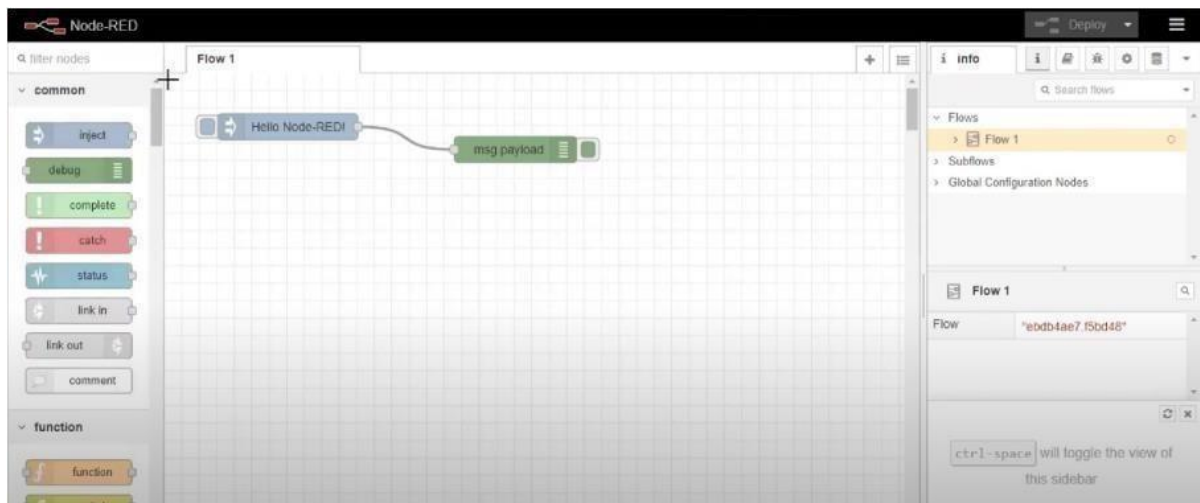
Delivery Pipelines

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.