

# Create Node-RED Service

Date	15 NOVEMBER 2022
Team ID	PNT2022TMID13097
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. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog' and 'Manage'. Below this, the breadcrumb 'Catalog / Create app /' is visible, followed by the 'Node-RED' title and logo. A sidebar on the left contains 'About' and 'Create' tabs, with 'About' selected. Under 'About', there's a 'Details' section listing 'Author: IBM', 'Updated: 2/11/2020', and 'Type: Starter kit'. Below this are links for 'Source code', 'GitHub', 'Helpful links', 'Terms', and 'Tutorial'. The main content area is titled 'Overview' and describes the starter kit: '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.' It then lists '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'. Below this is a 'What's included?' section featuring a 'Cloudant' service card with 'Free to start' and a 'View pricing' link. At the bottom right of the main content area, there are links for 'View docs' and 'View API reference', and a blue 'ASK A QUESTION' button.

Step 2: Entered project details and clicked on create

IBM Cloud

Search resources and products...

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

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

Resource list / App details /

Node RED WPKLX 2022-11-14 Add tags ⓘ

Actions...

Details

App URL

You must deploy your app first

Source

Download code ⬇

Resource group

Default

Deployment target

You must deploy your app first

Created

11/14/2022

Services

Cloudant

Open dashboard ⓘ Documentation ⓘ API reference ⓘ

Credentials ▾

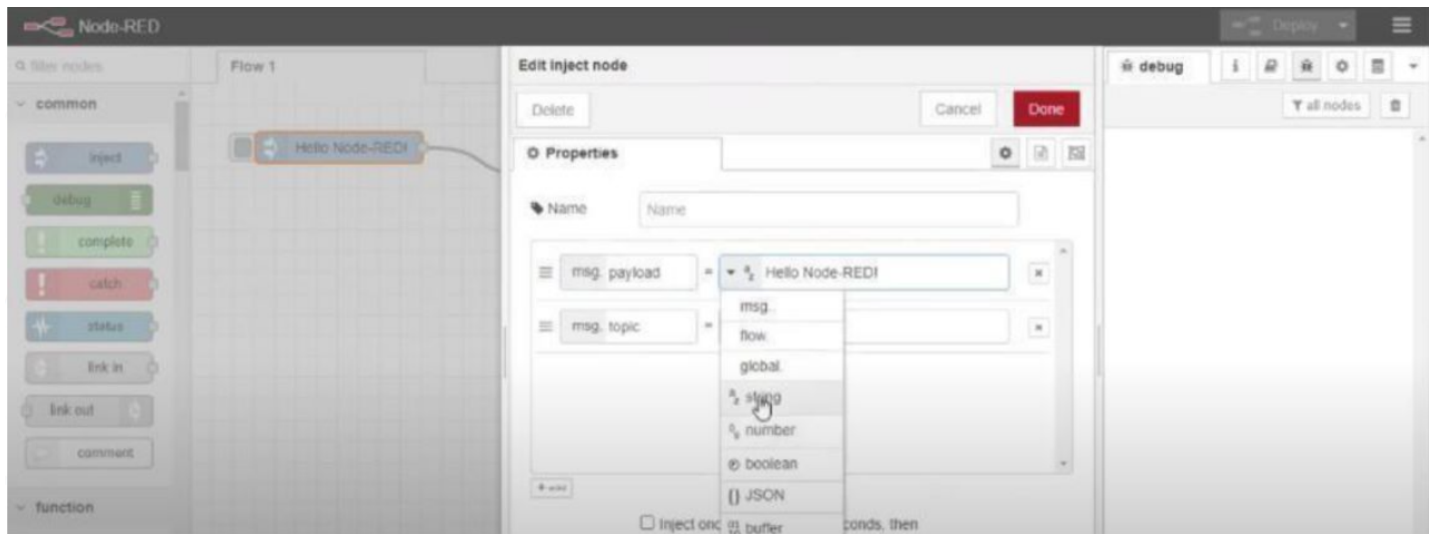
Deployment Automation

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 🚀

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

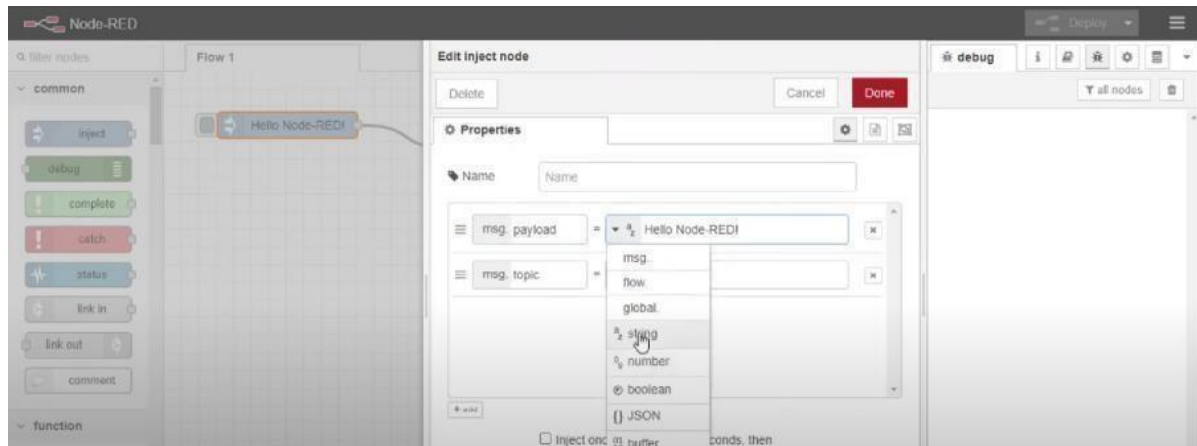


Step 5: Successfully deployed the app.

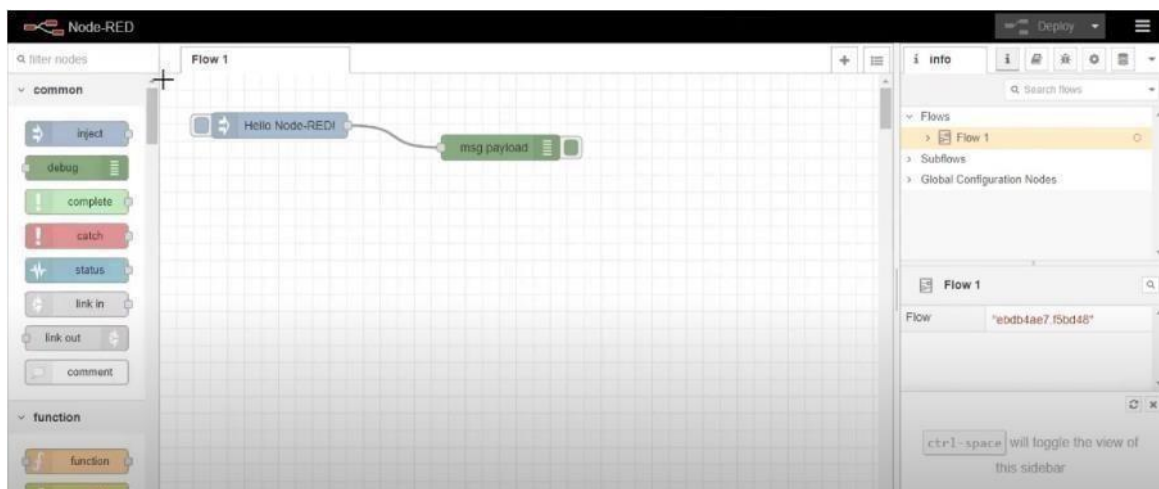
## Delivery Pipelines

Name	<a href="#">ci-pipeline</a>
Status	<span>✓</span> <a href="#">Success</a>
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.