

Create Node-RED Service

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID19526
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM

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 on the IBM Cloud platform. The page has a breadcrumb trail 'Catalog / Create app /' and a title 'Node-RED'. 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 includes an 'Overview' section describing the starter kit, a list of tasks it helps with (generating an application, deploying to Cloud Foundry or DevOps Pipeline, and connecting to services), and a 'What's included?' section featuring a 'Cloudant' service card with 'Free to start' and 'View pricing' options. A 'Get started' button is at the bottom left. A vertical 'ASK A QUESTION' button is on the right. An 'Activate Windows' watermark is visible at the bottom right.

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](#)

ASK A QUESTION

Activate Windows
Go to Settings to activate Windows

Step 2: Entered project details and clicked on create

This screenshot shows the 'Create' form for a new service in the Cloudant console. The form is titled 'Default' and includes a 'Tags' field with examples like 'env:dev, version-1'. The 'Platform' is set to 'Node.js'. Under 'Service details', it shows 'Cloudant' as the provider. A note indicates that existing instances can be selected from the pricing plan menu. The 'Region' is 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' is set to 'node-red-fdef1-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. A vertical 'ASK A QUESTION' button is on the right side.

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 Frankfurt Resource group Default

Pricing plan

node-red-fdef1-2022--cloudant-1666683139018

Pricing details Terms

Cancel Create

ASK A QUESTION

Activate Windows
Go to Settings to activate Windows

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

This screenshot shows the 'App details' page for 'Node RED QHNJV 2022-10-26'. The page is divided into three main sections: 'Details', 'Deployment Automation', and 'Getting started quickly'. The 'Details' section shows the app's URL, source code download link, resource group, deployment target, and creation date. The 'Deployment Automation' section provides instructions on how to configure continuous delivery and includes a 'Deploy your app' button. The 'Getting started quickly' section offers a step-by-step guide for configuring the app, including connecting services, downloading code, and deploying. A vertical 'ASK A QUESTION' button is on the right side.

Resource list / App details /

Node RED QHNJV 2022-10-26 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 10/26/2022

Services

Cloudant

Open dashboard Documentation API reference

Credentials

Connect existing services Create service

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

ASK A QUESTION

Activate Windows
Go to Settings to activate Windows

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

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

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

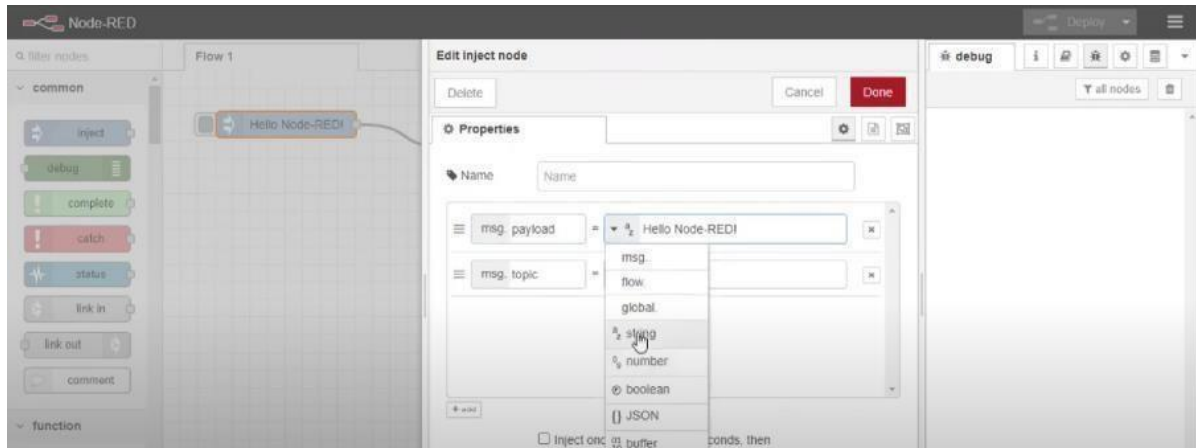
Steps

1. Select the number of instances, memory allocation, **region**, **org**, and **space**.
2. Select the **domain** and provide a **host** name.

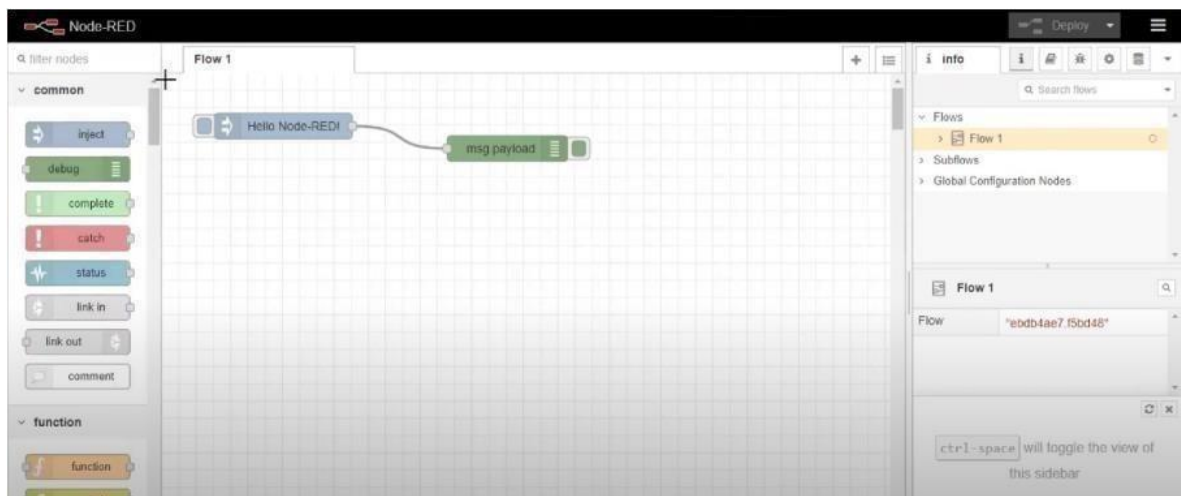
ASK A QUESTION

Activate Windows
Go to Settings to activate Windows

Step 5: Dragged and dropped components into the editor.



Step 6: Editing some values of the properties.



Step 7: Successfully deployed the app.



Result:

Successfully created a Node RED service on IBM Cloud.