

Create Node-RED Service

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Team ID	PNT2022TMID23485
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 'Create app' page for Node-RED. The page has a header with 'Catalog / Create app /' and a '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 'What's included?' section with a 'Cloudant' service card. 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 [Link](#)

Helpful links

Terms [Link](#)

Tutorial [Link](#)

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' form for a new service in the Cloudant console. The form includes a 'Default' dropdown menu, a 'Tags' field with examples like 'env:dev, version-1', and a 'Platform' section where 'Node.js' is selected. Under 'Service details', it shows 'Cloudant' as the provider, a note about existing instances, the 'Region' set to 'Frankfurt', and the 'Resource group' set to 'Default'. A 'Pricing plan' dropdown is set to 'node-red+defl-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. A vertical 'ASK A QUESTION' button is on the right, and a Windows activation notice is at the bottom right.

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+defl-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 explains how to configure continuous delivery and features a prominent 'Deploy your app' button. The 'Getting started quickly' section provides a five-step guide for configuring the app, connecting services, and deploying. A vertical 'ASK A QUESTION' button is on the right, and a Windows activation notice is at the bottom right.

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

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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-qhnyv-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

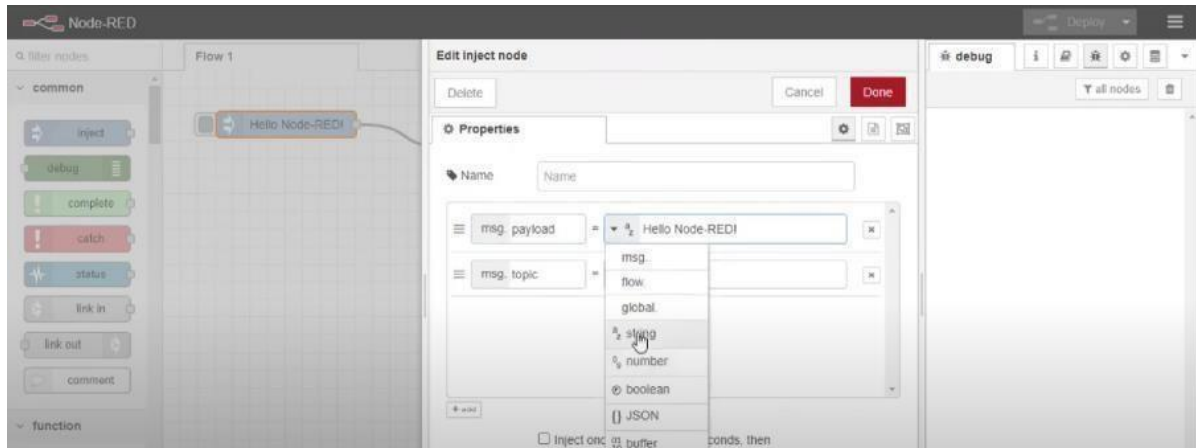
Activate Windows
Go to Settings to activate Windows

Step 5: Successfully deployed the app.

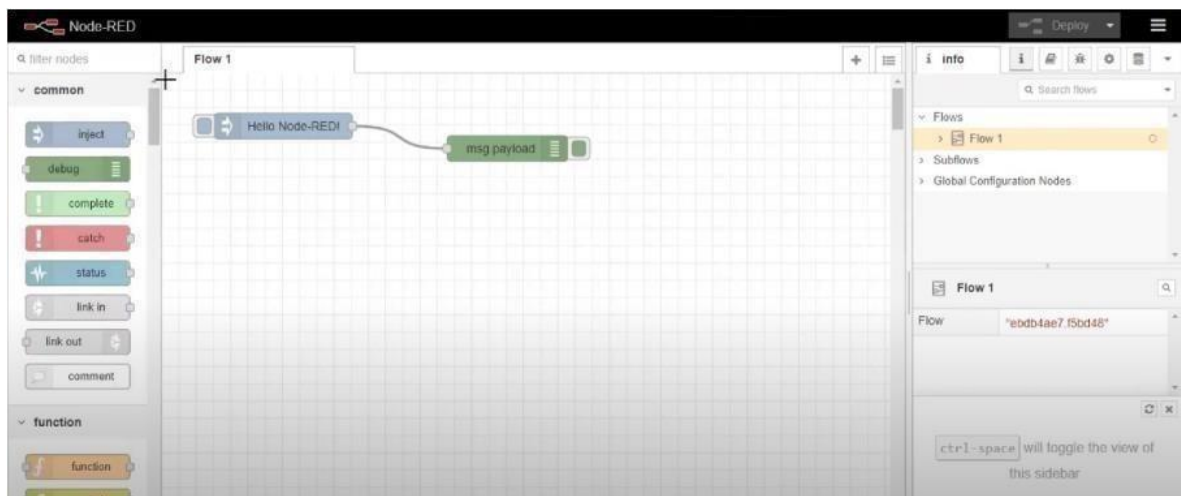
Delivery Pipelines

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.