

Create Node-RED Service

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID17268
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 'Create app' page for Node-RED. The page has a dark header with the IBM Cloud logo, a search bar, and navigation links for 'Catalog' and 'Manage'. Below the header, the breadcrumb 'Catalog / Create app /' is visible, followed by the 'Node-RED' title and icon. On the left, there's a sidebar with 'About' and 'Create' tabs, and a 'Details' section listing author (IBM), updated date (2/11/2020), and type (Starter kit). The main content area has an 'Overview' section describing the starter kit's purpose: to provide a pre-configured Node-RED application with a Cloudant service for storing configuration. It lists three bullet points: generating an application with Node-RED, generating files for deployment to Cloud Foundry or DevOps Pipeline, and connecting to provisioned services. Below this, a 'What's included?' section features a 'Cloudant' service card with 'Free to start' and 'View pricing' links, and 'View docs' and 'View API reference' links. A blue 'Get started' button is at the bottom left. An 'Activate Windows' watermark is visible at the bottom right, and a vertical 'ASK A QUESTION' button is on the far right.

Step 2: Entered project details and clicked on create

IBM Cloud

Search resources and products...

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: Frankfurt Resource group: Default

Pricing plan: node-red+defl+2022--cloudant-1666683139018

Pricing details Terms

Cancel Create

Activate Windows
Go to Settings to activate Windows.

ASK A QUESTION

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

IBM Cloud

Search resources and products...

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

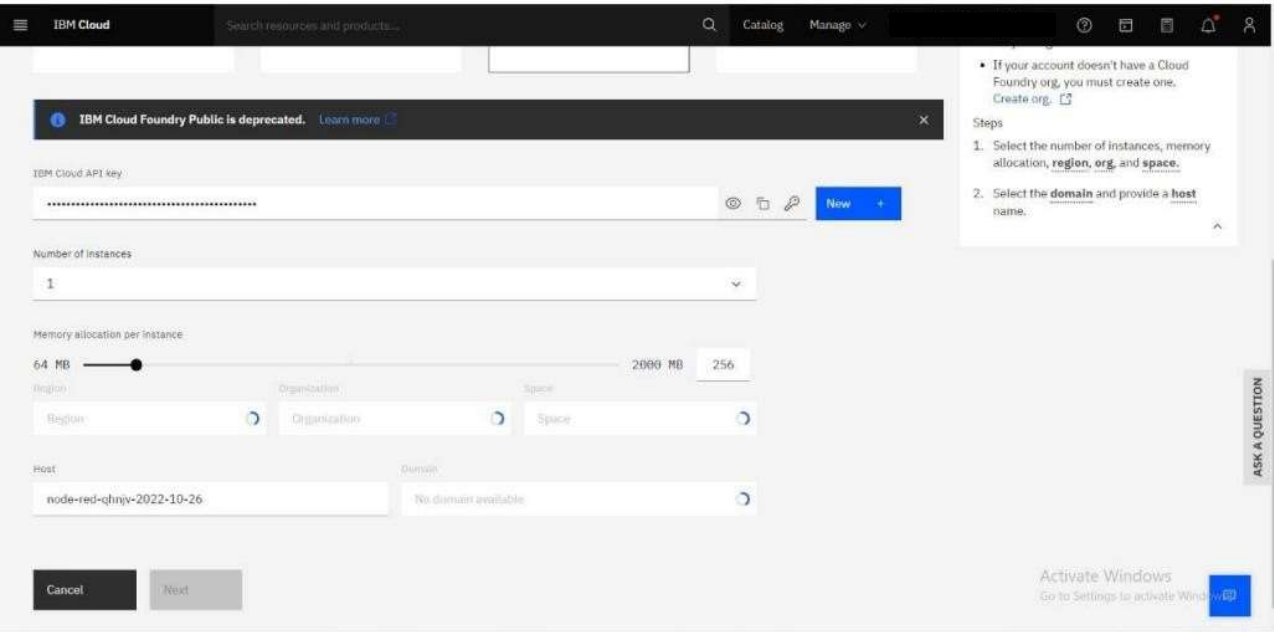
Configuring your app

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](#). [Go to Settings to activate Windows.](#)
5. If you make any changes to your app, be

ASK A QUESTION

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

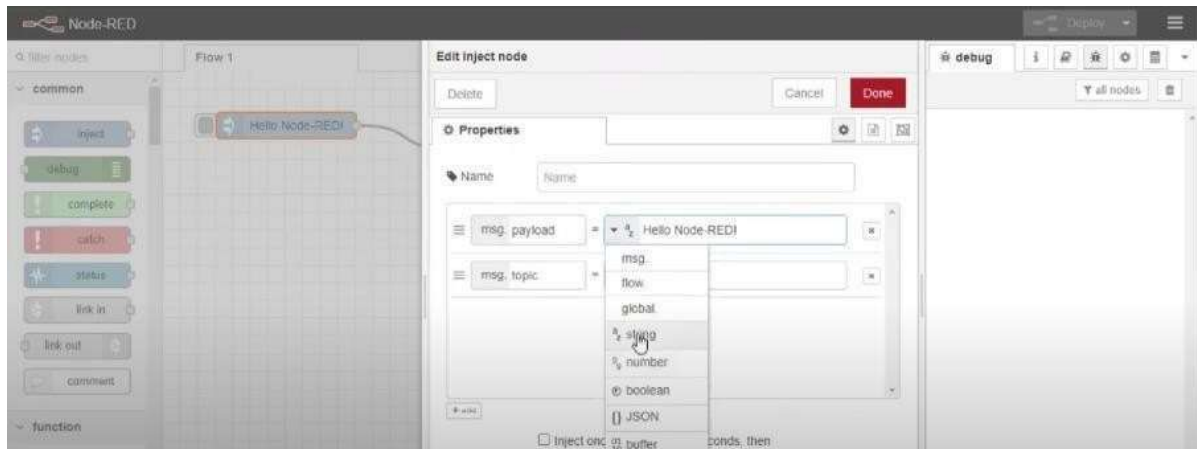


Step 5: Successfully deployed the app.

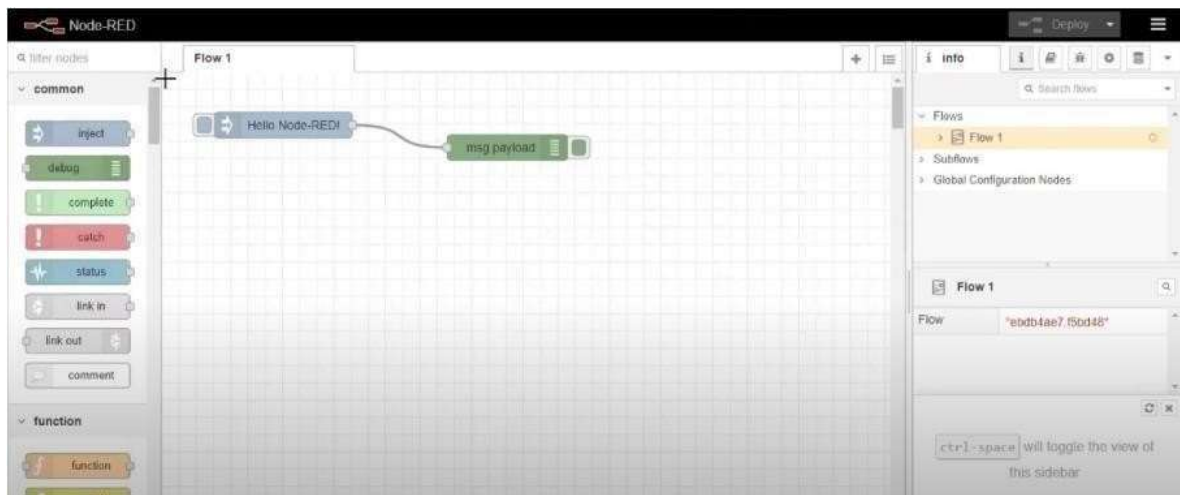
Delivery Pipelines

Name	ci-pipeline ↗
Status	<div> <div>✓</div> <div>Success ↗</div> </div>
Last input	<div> <div>Last commit by IBM Cloud DevOps Services (7 minutes ago)</div> <div>Clone from zip ↗</div> </div>

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.