

Create Node-RED Service

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Team ID	PNT2022TMID53996
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 / Node-RED'. Below the header, there are two tabs: 'About' (selected) and 'Create'. The 'About' tab contains a sidebar with links for 'Details', 'Source code', 'Helpful links', 'Terms', 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 benefits: generating an application with Node-RED, generating an application with files for deploying to Cloud Foundry or a DevOps Pipeline, and connecting to provisioned services. Below this, it asks 'What's included?' and shows a 'Cloudant' service card with a 'Free to start' label and links to 'View docs' and 'View API reference'. At the bottom, there is a 'Get started' button. On the right side of the page, there is a vertical button labeled 'ASK A QUESTION'. At the bottom right, there is a Windows watermark that says 'Activate Windows Go to Settings to activate Windows'.

Step 2: Entered project details and clicked on create

This screenshot shows the 'Create new resource' page in the Azure portal for a Node.js application. At the top, there's a 'Default' dropdown menu. Below it, a 'Tags' section with a search icon and a text input field containing 'Examples: env:dev, version-1'. The 'Platform' section shows 'Node.js' selected with a radio button. The 'Service details' section includes a 'Cloudant' logo and a note: '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.' Below this, 'Region Frankfurt' and 'Resource group Default' are displayed. A 'Pricing plan' dropdown menu is set to 'node-red-fdefl-2022--cloudant-1666683139018'. At the bottom left are 'Cancel' and 'Create' buttons. At the bottom right, there's an 'Activate Windows' watermark and an 'ASK A QUESTION' button.

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

This screenshot shows the 'Node RED QHNJV 2022-10-26' app details page in the Azure portal. The page has a breadcrumb 'Resource list / App details /' and a title 'Node RED QHNJV 2022-10-26' with an 'Add tags' link. On the left, the 'Details' section shows 'App URL' (empty), 'Source' (with a 'Download code' button), 'Resource group' (Default), 'Deployment target' (empty), and 'Created' (10/26/2022). Below this is the 'Services' section, which lists 'Cloudant' with links to 'Open dashboard', 'Documentation', and 'API reference', and a 'Credentials' dropdown. At the bottom of the services section are 'Connect existing services' and 'Create service' buttons. On the right, the 'Deployment Automation' section shows a 'Deploy your app' button. To the right of this is a 'Getting started quickly' sidebar with a list of steps: 1. Use the Services card to connect a service to your app. 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. 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... At the bottom right, there's an 'ASK A QUESTION' button.

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

IBM Cloud Foundry Public is deprecated. [Learn more](#)

IBM Cloud AP1 key

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👁️🔑

New +

Number of Instances

1

Memory allocation per Instance

64 MB

2000 MB256

Region

Region

Organization

Organization

Space

Space

Host

node-red-qhnrjv-2022-10-26

Domain

No domain available

Cancel

Next

Activate Windows

Go to Settings to activate Windows

ASK A QUESTION

▪ 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**.

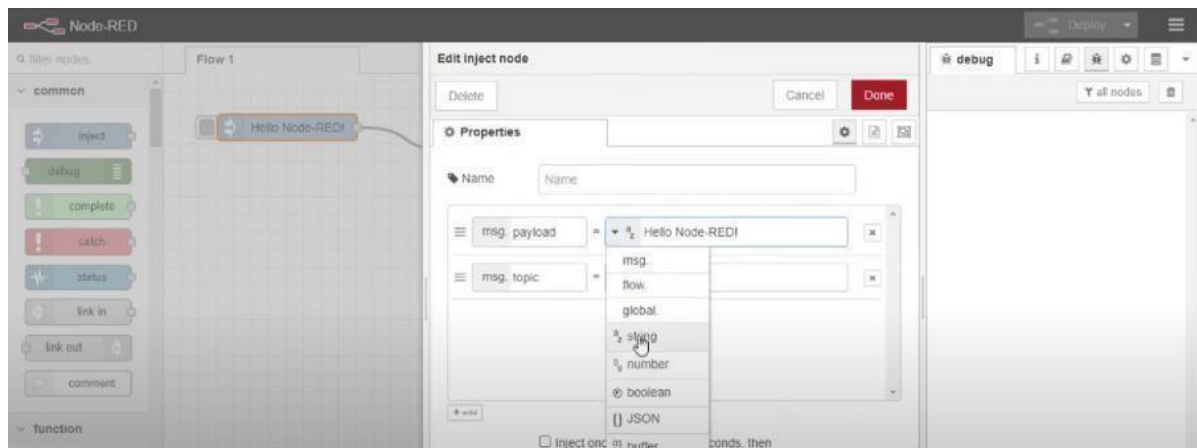
2. Select the **domain** and provide a **host** name.

Step 5: Successfully deployed the app.

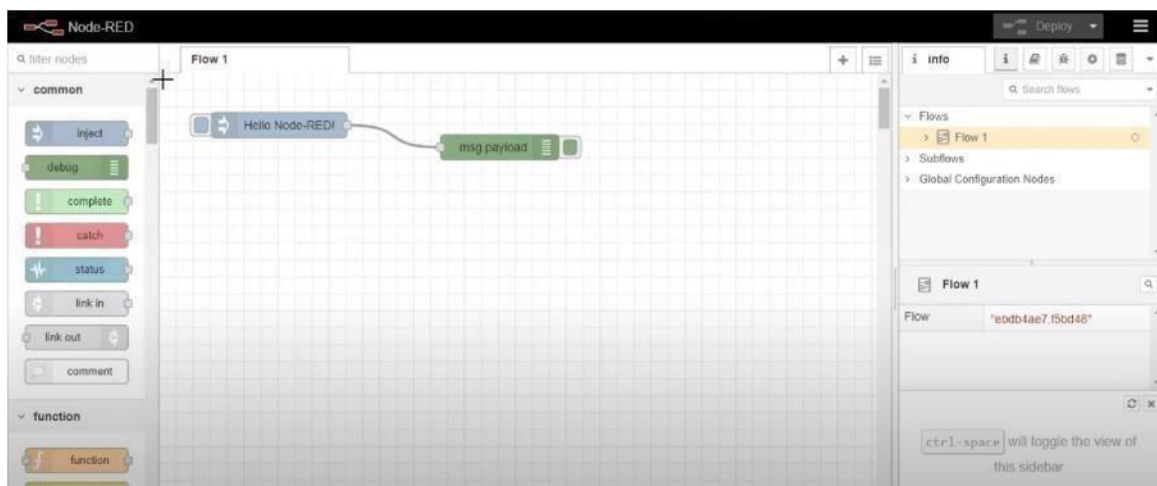
Delivery Pipelines

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.