

Create Node-RED Service

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|--------------|-----------------------------------------------------------|
| Date | 16 Nov 2022 |
| Team ID | PNT2022TMID48574 |
| 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', 'GitHub', '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 'Free to start' and 'View pricing' links. 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

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

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 new resource' page in the Azure portal for a Node.js application. At the top, there's a 'Default' dropdown menu. Below it is a 'Tags' section with a text input field containing 'Examples: env:dev, version-1'. The 'Platform' section has '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, the 'Region' is set to 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' dropdown shows 'node-red-fdef1-2022--cloudant-1666683139018'. At the bottom left are 'Cancel' and 'Create' buttons. At the bottom right is 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' 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 for 'Cloudant', with links for '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 has a 'Deploy your app' button. Further right is a 'Getting started quickly' card 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 is 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

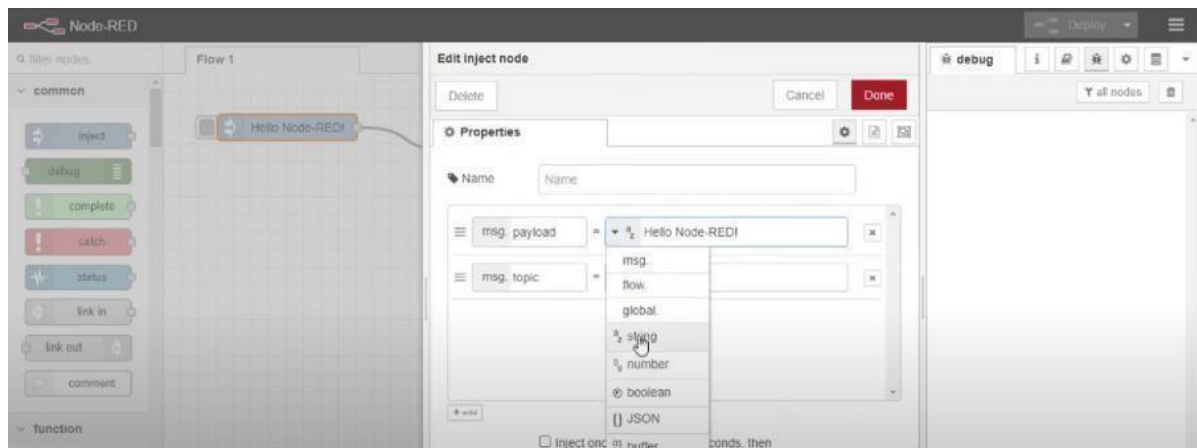
1. Select the number of instances, memory allocation, **region**, **org**, and **space**.

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

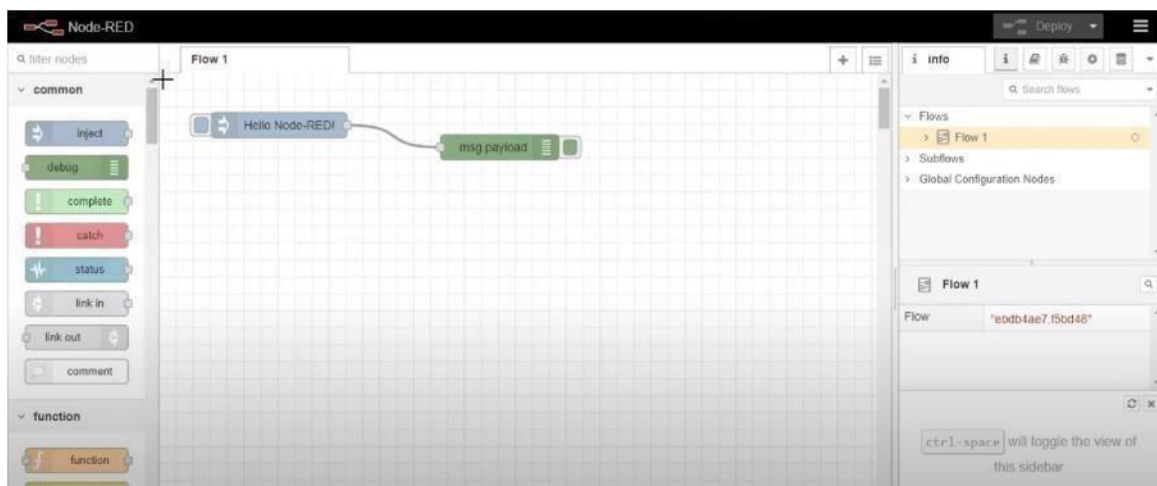
Step 5: Successfully deployed the app.

| 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.