

Create Node-RED Service

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Team ID	PNT2022TMID36788
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 / 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 key features: 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 the overview, there is a section titled 'What's included?' which features a Cloudant logo and links to 'View docs', 'View API reference', and 'View pricing'. At the bottom of the page, 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' page in the Azure portal for a new Node.js application. At the top, there is a 'Default' dropdown menu. Below it, a 'Tags' section includes a text input with the placeholder 'Examples: env:dev, version-1'. The 'Platform' section has a radio button selected for 'Node.js'. The 'Service details' section features the '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'. A 'Pricing plan' dropdown menu is open, showing 'node-red-fdef1-2022--cloudant-1666683139018'. At the bottom left are 'Cancel' and 'Create' buttons. At the bottom right, there is an 'Activate Windows' watermark and an 'ASK A QUESTION' button.

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

This screenshot shows the 'App details' page for a Node RED application. The breadcrumb trail at the top reads 'Resource list / App details /'. The app name is 'Node RED QHNJV 2022-10-26' with an 'Add tags' link. The 'Details' section shows 'App URL' as 'You must deploy your app first' and 'Source' with a 'Download code' button. The 'Resource group' is 'Default', 'Deployment target' is 'You must deploy your app first', and 'Created' is '10/26/2022'. The 'Services' section shows '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. The 'Deployment Automation' section has a 'Deploy your app' button. On the right, a 'Getting started quickly' sidebar lists five steps for configuring the app. An 'ASK A QUESTION' button is on the far right.

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-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

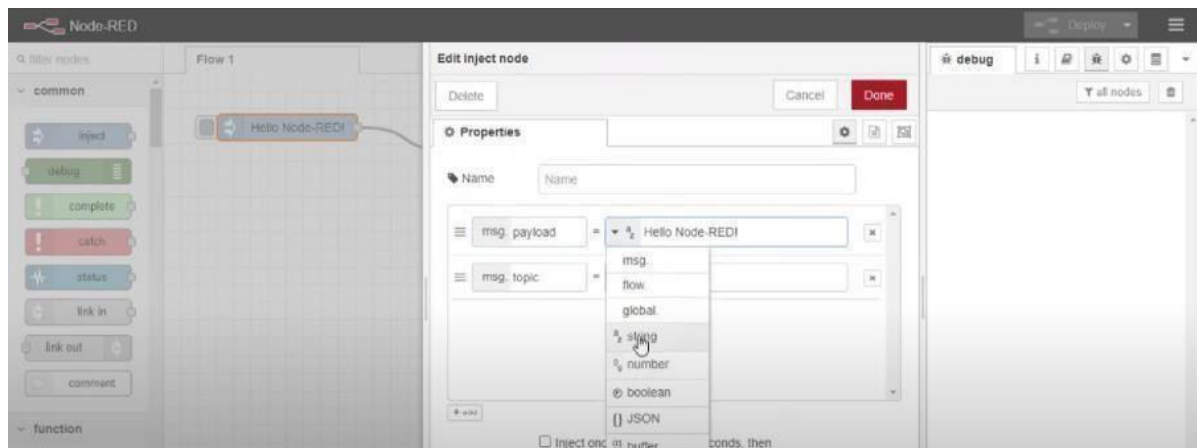
1. Select the number of instances, memory allocation, **region**, **org**, and **space**.
2. Select the **domain** and provide a **host** name.

Step 5: Successfully deployed the app.

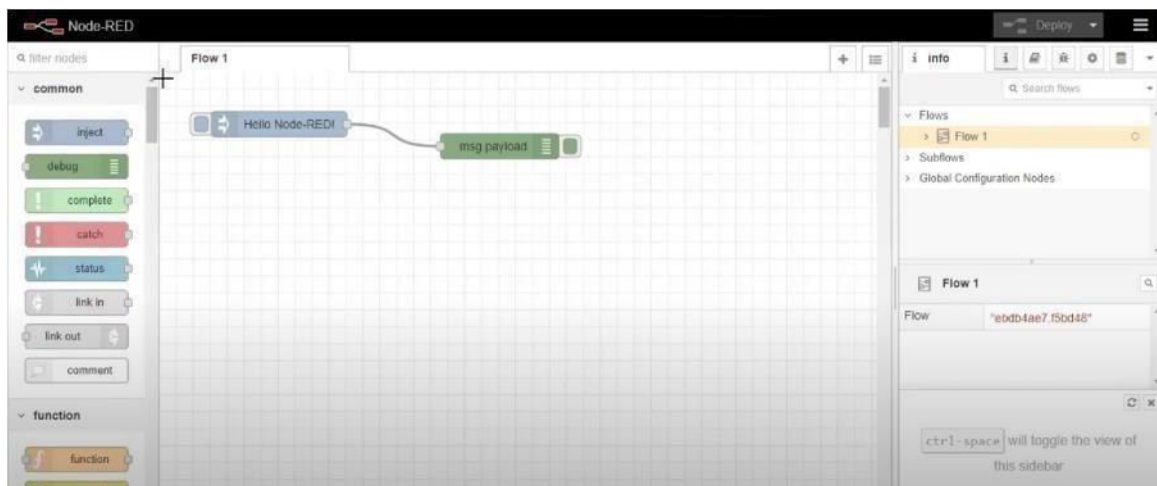
Delivery Pipelines

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.