

Create Node-RED Service

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Team ID	PNT2022TMID05277
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 interface for creating a Node-RED application. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user profile (Nagarajan Selvaraj's Account). The main content area is titled 'Node-RED' and has two tabs: 'About' (selected) and 'Create'. The 'About' tab displays details about the starter kit, including its author (IBM), update date (2/11/2020), and type (Starter kit). It also provides links to the source code on GitHub, helpful links, terms, and a tutorial. The 'Overview' section describes the starter kit's purpose: to provide a pre-configured Node-RED application with a Cloudant service for storing flow configuration. It lists three key steps: generating an application with Node-RED, generating files for deployment to Cloud Foundry or DevOps Pipeline, and connecting to provisioned services. A 'What's included?' section highlights the inclusion of Cloudant, which is free to start. A 'Get started' button is prominently displayed at the bottom left. The bottom right corner features a Windows activation watermark and an 'ASK A QUESTION' button.

IBM Cloud Search resources and products... Catalog Manage Nagarajan Selvaraj's Ac...

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

The screenshot shows the IBM Cloud console interface for creating a new Cloudant service. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main content area is titled 'Resource group' and shows a 'Default' dropdown menu. Below this, there's a 'Tags' section with a text input field containing 'Examples: env:dev, version-1'. The 'Platform' section has a radio button selected for 'Node.js'. The 'Service details' section includes a note about existing instances and a 'Region' dropdown set to 'Frankfurt'. The 'Pricing plan' section shows a dropdown menu with 'node-red+defl-2022--cloudant-1666683139018' selected. At the bottom, there are 'Cancel' and 'Create' buttons. A vertical 'ASK A QUESTION' button is on the right side.

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

The screenshot shows the IBM Cloud console interface for the 'Node RED QHNJV 2022-10-26' resource. The top navigation bar is the same as in the previous step. The main content area is titled 'Node RED QHNJV 2022-10-26' and includes an 'Add tags' link. The 'Details' section shows the 'App URL' and 'Source' fields, with a 'Download code' button. The 'Resource group' is set to 'Default'. The 'Deployment target' is 'You must deploy your app first'. The 'Created' date is '10/26/2022'. The 'Services' section shows a 'Cloudant' service with links to 'Open dashboard', 'Documentation', and 'API reference'. There are buttons for 'Connect existing services' and 'Create service'. The 'Deployment Automation' section has a 'Deploy your app' button. A 'Getting started quickly' sidebar on the right provides instructions for configuring the app, including steps for connecting services, downloading code, and deploying the app. A vertical 'ASK A QUESTION' button is on the right side.

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

IBM Cloud

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Catalog

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

IBM Cloud API key

.....

New

Number of instances

1

Memory allocation per instance

64 MB

2000 MB

256

Region

Organization

Space

Region

Organization

Space

Host

Domain

node-red-qhnyv-2022-10-26

No domain available

Cancel

Next

Activate Windows

Go to Settings to activate Windows

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**.

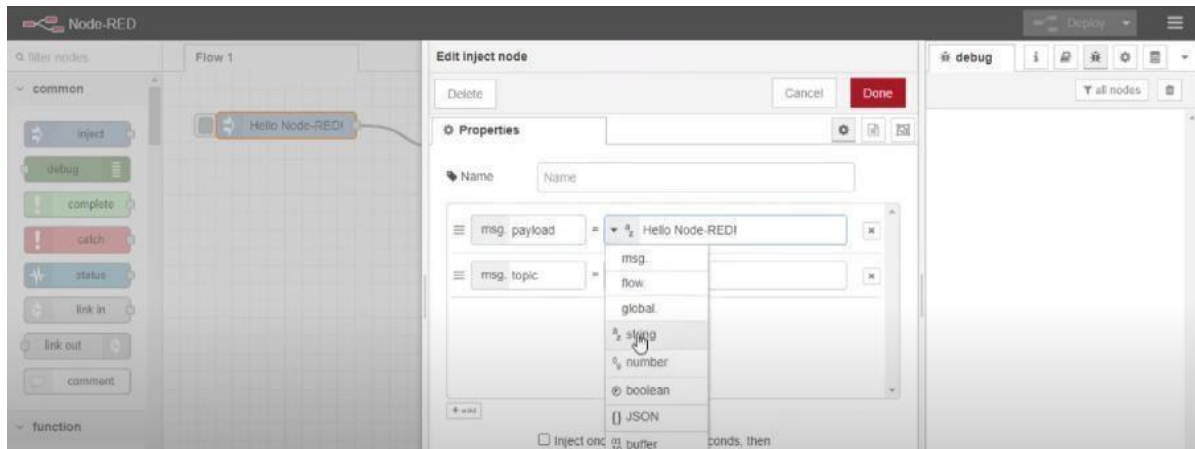
2. Select the **domain** and provide a **host** name.

ASK A QUESTION

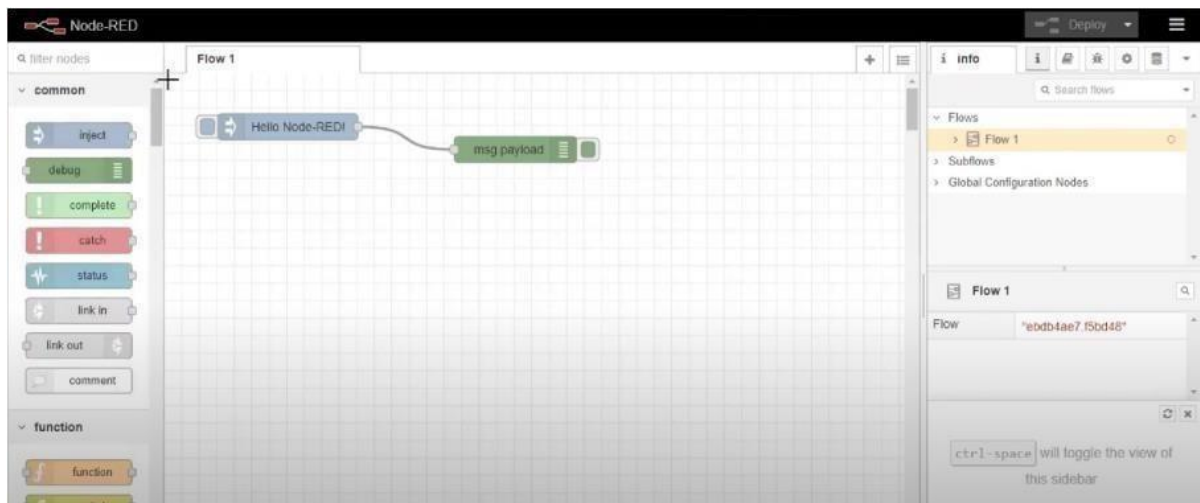
Step 5: Successfully deployed the app.

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.