

Create Node-RED Service

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Team ID	PNT2022TMID28615
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 interface for creating a Node-RED service. The top navigation bar includes the IBM Cloud logo, a search bar, and links for Catalog, Manage, and user profile. The main content area is titled 'Node-RED' and features a 'Create' button. A sidebar on the left contains links for 'About', 'Details', 'Source code', 'Helpful links', 'Terms', and 'Tutorial'. The 'Overview' section describes the starter kit, which includes a pre-configured Node-RED application, a Cloudant service for configuration storage, and instructions for using the IBM Cloud Developer Tools CLI. A list of tasks the starter kit helps with is provided: generating an application with Node-RED, generating files for deployment to Cloud Foundry or a DevOps Pipeline, and connecting to provisioned services. A 'What's included?' section highlights the inclusion of Cloudant, with links to view docs and API reference. 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

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 service. The top navigation bar includes the IBM Cloud logo, a search bar, and links to 'Catalog' and 'Manage'. Below the navigation bar, the 'Resource group' is set to 'Default'. The 'Tags' section has a text input field with the placeholder 'Examples: env:dev, version:1'. The 'Platform' is set to 'Node.js'. The 'Service details' section shows the 'Cloudant' service. A note indicates that existing instances of this service are available in the kit. The 'Region' is set to 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' is set to 'node-red+defi-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. An 'Activate Windows' watermark is visible in the bottom right corner.

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 includes the IBM Cloud logo, a search bar, and links to 'Catalog' and 'Manage'. Below the navigation bar, the 'Resource list / App details /' breadcrumb is visible. The resource name is 'Node RED QHNJV 2022-10-26' with an 'Add tags' link. The 'Details' section shows the 'App URL' and 'Source' (with a 'Download code' button). The 'Resource group' is 'Default', the 'Deployment target' is 'You must deploy your app first', and the 'Created' date is '10/26/2022'. The 'Services' section shows the 'Cloudant' service with links to 'Open dashboard', 'Documentation', and 'API reference'. At the bottom, there are 'Connect existing services' and 'Create service' buttons. The 'Deployment Automation' section shows a 'Deploy your app' button. A 'Getting started quickly' sidebar on the right provides instructions for configuring the app. An 'Activate Windows' watermark is visible in the bottom right corner.

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

IBM Cloud

Search resources and products...

Catalog

Manage

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-qhny-2022-10-26

No domain available

Cancel

Next

Activate Windows

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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.

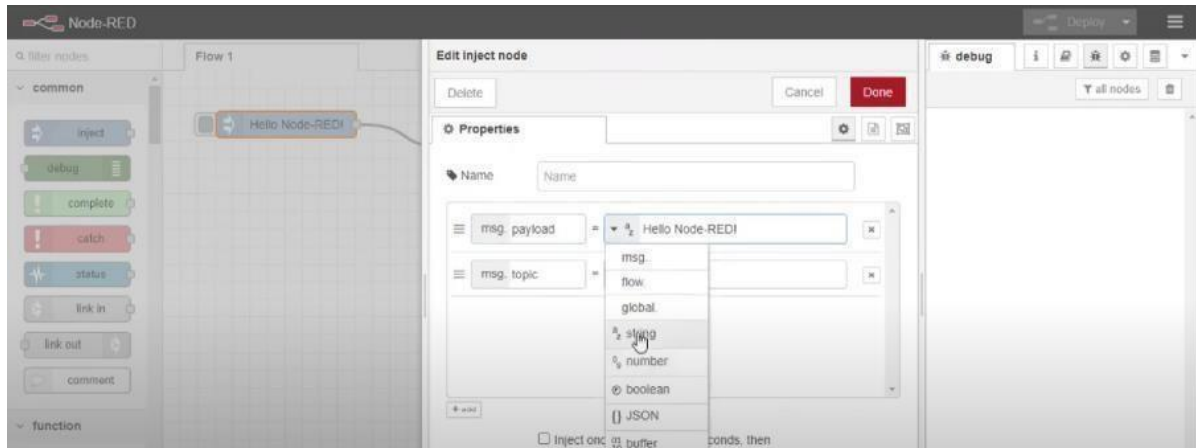
ASK A QUESTION

Step 5: Successfully deployed the app.

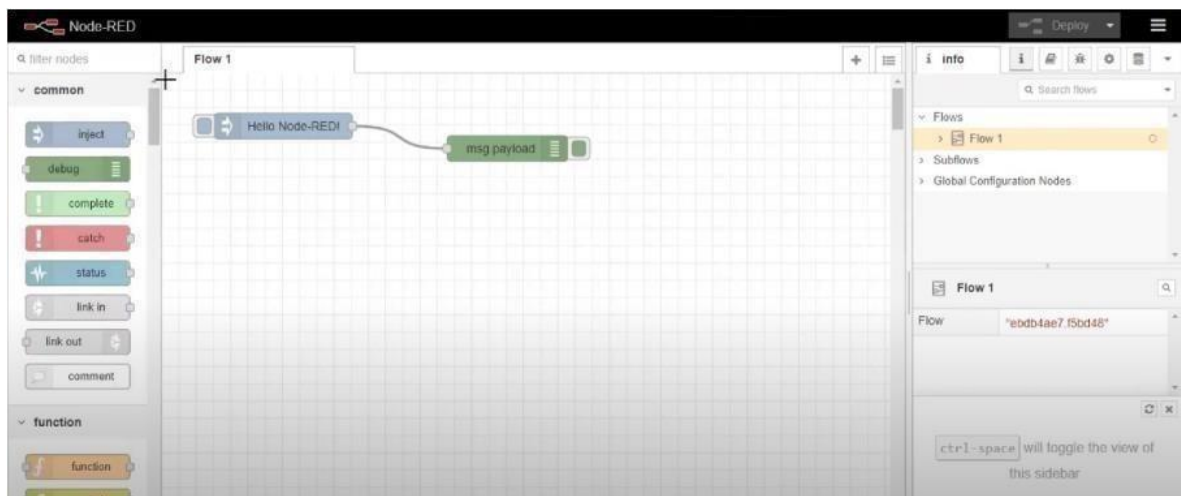
Delivery Pipelines

Name	ci-pipeline
Status	<div>✓</div> 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.