

Create Node-RED Service

Team ID	PNT2022TMID33446
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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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 displays the IBM App Development console interface. The browser address bar shows the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page title is "Node-RED". The left sidebar contains a navigation menu with "About" and "Create" tabs. The "About" tab is active, showing details about the Node-RED starter kit. The main content area is titled "Overview" and describes the starter kit's purpose: to provide a pre-configured Node-RED application with a Cloudant service for storing application flow configuration. It lists steps to generate an application, deploy it to Cloud Foundry or a DevOps Pipeline, and connect to provisioned services. A "What's included?" section is also visible. The bottom of the page shows a Windows taskbar with the date and time as 1:22 PM on 11/9/2022.

IBM App Development

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

Search resources and products...

Catalog Manage SURIYAPRAKASH S's A...

Catalog / Create app /

Node-RED

About Create

Details

Author IBM

Updated 11/2/2020

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?

View docs View API reference

ASK A QUESTION

30°C Partly sunny 1:22 PM 11/9/2022

Step 2: Entered project details and clicked on create.

The screenshot shows the IBM App Development console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links to 'Catalog' and 'Manage'. The main content area is titled 'Examples: env:dev, version-1'. Below this, the 'Platform' is set to 'Node.js'. The 'Service details' section shows 'Cloudant' with a star icon, indicating existing instances. The 'Region' is 'London' and the 'Resource group' is 'Default'. The 'Pricing plan' is set to 'Cloudant-p0'. There are links for 'Pricing details' and 'Terms'. At the bottom, there are 'Cancel' and 'Create' buttons. A vertical 'ASK A QUESTION' button is on the right side.

Examples: env:dev, version-1

Platform

☒ Node.js

Service details

Cloudant★

★ = 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.

Region London Resource group Default

Pricing plan

Cloudant-p0

[Pricing details](#) [Terms](#)

Cancel Create

ASK A QUESTION

Step 3: Clicking on the "Deploy your App" Button.

The screenshot shows the IBM App Development console interface for a specific app. The top navigation bar is the same as in Step 2. The main content area is titled 'Node RED FHYUV 2022-11-09' with an 'Add tags' link and an 'Actions...' dropdown. The 'Details' section shows 'App URL' as 'You must deploy your app first' and 'Source' as 'Download code'. The 'Resource group' is 'Default', 'Deployment target' is 'You must deploy your app first', and 'Created' is '9/11/2022'. The 'Services' section shows 'Cloudant' with links to 'Open dashboard', 'Documentation', and 'API reference'. A 'Deploy your app' button is prominently displayed. A vertical 'ASK A QUESTION' button is on the right side.

Resource list / App details /

Node RED FHYUV 2022-11-09 [Add tags](#) [Actions...](#)

Details

App URL You must deploy your app first

Source [Download code](#)

Resource group Default

Deployment target You must deploy your app first

Created 9/11/2022

Services

Cloudant

[Open dashboard](#) [Documentation](#) [API reference](#)

Credentials

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

ASK A QUESTION

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

The screenshot shows the IBM Cloud Developer console for an application. The browser tabs include 'IBM App Development', 'IBM Cloud Account', and 'Creating orgs and spaces | IBM Cloud'. The URL is 'cloud.ibm.com/developer/appservice/apps/30278b15-e93a-4903-81ec-5ccf7bfc69a2'. A notification banner at the top states 'IBM Cloud Foundry Public is deprecated. Learn more'. The configuration page includes the following fields:

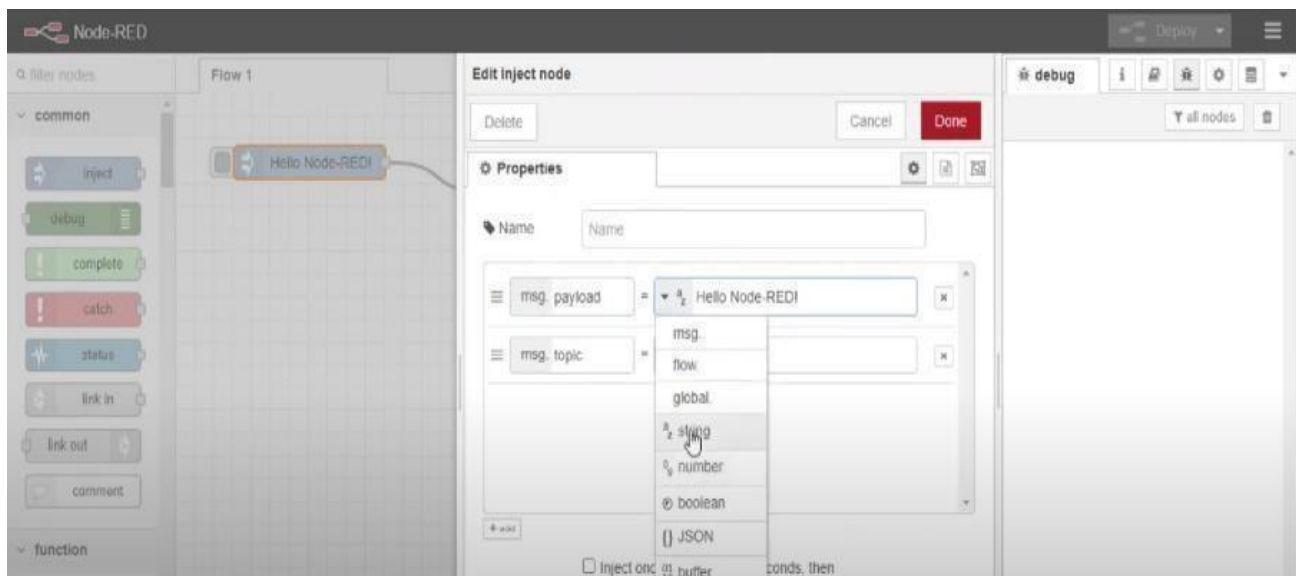
- IBM Cloud API key:** A text field with a masked key and a 'New' button.
- Number of instances:** A dropdown menu set to '1'.
- Memory allocation per instance:** A slider ranging from 64 MB to 2000 MB, with a '256' button.
- Region:** A dropdown menu set to 'Dallas'.
- Organization:** A dropdown menu set to 'suriyaprakash'.
- Space:** A dropdown menu set to 'node-red-fhyuv-2022-11-09'.
- Host:** A text field containing 'node-red-fhyuv-2022-11-09'.
- Domain:** A dropdown menu set to 'mybluemix.net'.

At the bottom, there are 'Cancel' and 'Next' buttons. A vertical 'ASK A QUESTION' button is on the right side. The Windows taskbar at the bottom shows the date as 11/9/2022 and the time as 2:09 PM.

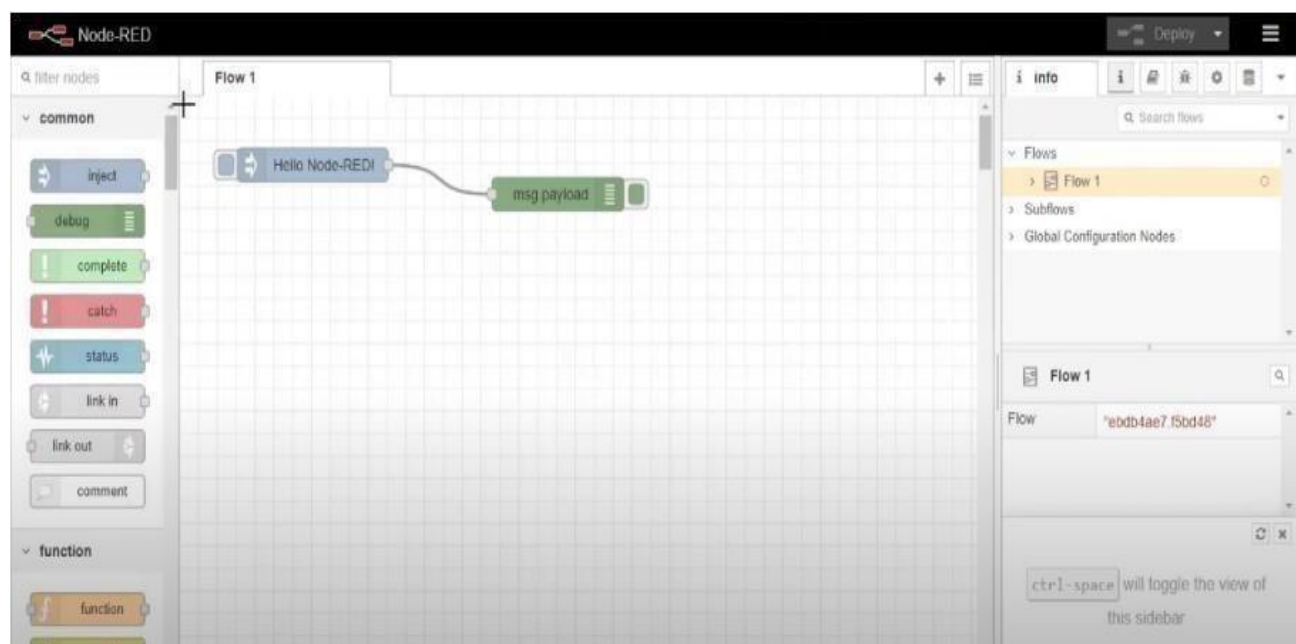
Step 5: Successfully deployed the app.

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.