

Create Node-RED Service

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID10197
Project Name	GAS LEAKAGE MONITORING AND ALERTINGSYSTEM 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 a web browser window displaying the IBM Cloud Developer App Service page for Node-RED. The browser's address bar shows the URL: <https://cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLangu...>. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and Deepak M's Account. The main content area is titled "Node-RED" and features a "Create" button. Below this, there is an "About" section with details about the starter kit, including the author (IBM), update date (2/11/2020), and type (Starter kit). The "Overview" section describes the starter kit as a pre-configured Node-RED application with a Cloudant service for storing application flow configuration. It lists the steps to use the starter kit: generate an application with Node-RED, generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline, and connect to provisioned services. The "What's included?" section shows a Cloudant service icon with the text "Free to start" and links to "View docs" and "View API reference". The bottom of the page shows a Windows taskbar with various application icons and a system tray with the date and time (18:45, 13-11-2022).

Step 2: Entered project details and clicked on create

The screenshot shows the IBM Cloud Developer console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Deepak M's Account). The main content area is titled 'Examples: env:dev, version:1'. Under the 'Platform' section, 'Node.js' is selected. The 'Service details' section shows 'Cloudant' as the selected service. Below this, there are fields for 'Region' (London) and 'Resource group' (Default). A 'Pricing plan' dropdown menu is set to 'Cloudant-qw'. At the bottom, there are 'Cancel' and 'Create' buttons. The right sidebar contains an 'ASK A QUESTION' button and a settings icon. The bottom status bar shows the system clock as 18:46 on 13-11-2022.

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

The screenshot shows the IBM Cloud Developer console interface for a specific application. The top navigation bar is the same as in the previous screenshot. The main content area is titled 'Node RED TXJEO 2022-11-13' with an 'Add tags' link. Below the title, there is a 'Details' section with fields for 'App URL', 'Source' (with a 'Download code' button), 'Resource group' (Default), 'Deployment target', and 'Created' (11/13/2022). To the right of the details is a 'Deployment Automation' section with a 'Configure Continuous Delivery' button. At the bottom, there is a 'Services' section with a 'Cloudant' service listed. A 'Deploy your app' button is prominently displayed in the center of the page. The right sidebar contains an 'ASK A QUESTION' button and a settings icon. The bottom status bar shows the system clock as 18:47 on 13-11-2022.

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

IBM Cloud API key

Container registry region

Container registry namespace

Cluster region

Cluster resource group

Cluster namespace

Cluster name

Deployment type

Helm

Cancel

Next

5. Select the resource group, cluster namespace, and the cluster name.

6. The deployment type of Helm is selected for you.

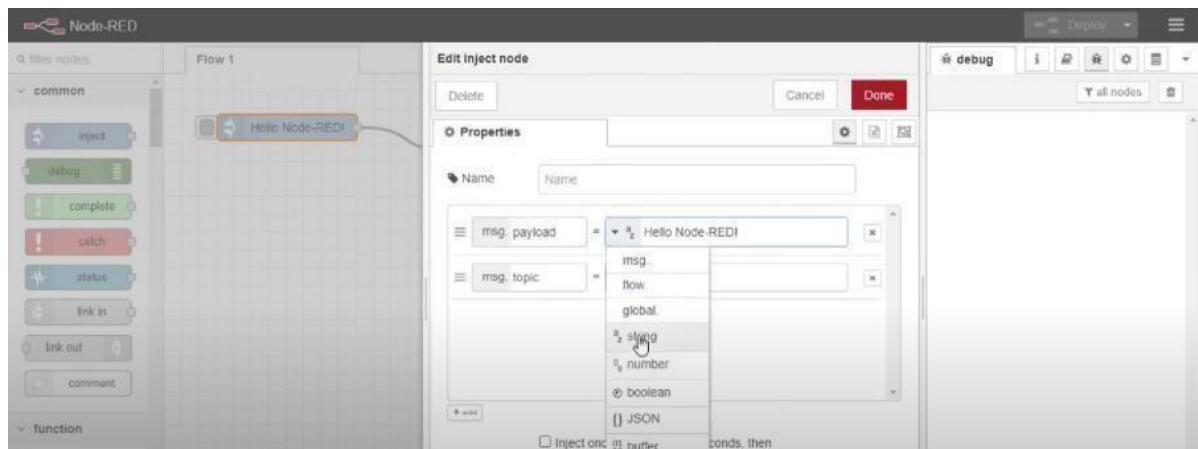
7. Click Next.

Step 5: Successfully deployed the app.

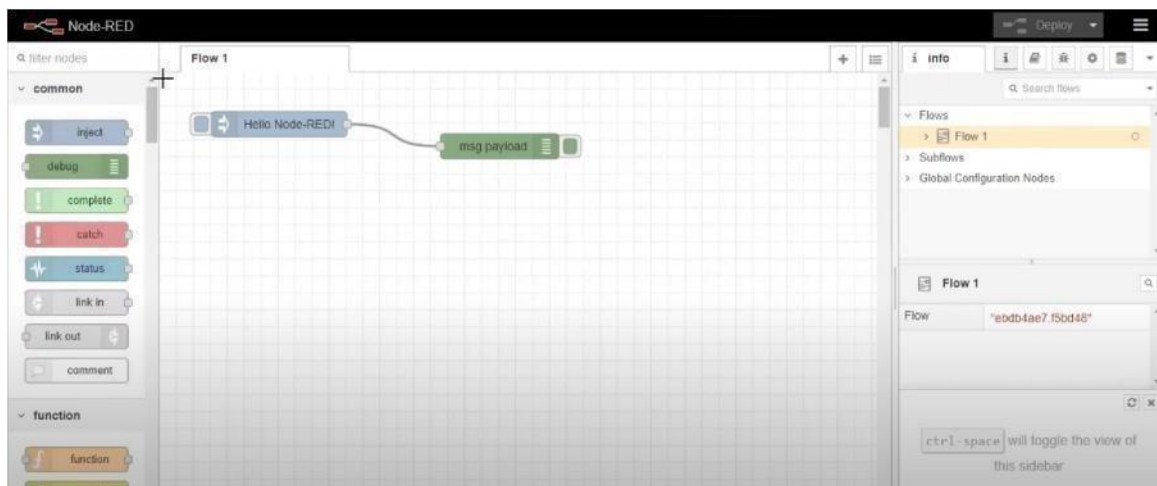
Delivery Pipelines

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.