

Create Node-RED Service

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Team ID	PNT2022TMID39853
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 developer portal interface for creating a Node-RED service. The browser address bar displays the URL: <https://cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=...>. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (Deepak M's Account). The main content area is titled "Node-RED" and features a "Create" button. Below this, there is a "Details" sidebar on the left and an "Overview" section on the right. The "Overview" section describes the starter kit, which provides a pre-configured Node-RED application with a Cloudant service for storing configuration. It lists the steps: generate an application with Node-RED, generate an application with files for deployment, and connect to provisioned services. A "What's included?" section highlights the Cloudant service, which is free to start. 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).

IBM Cloud

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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](#)

ASK A QUESTION

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' and shows the 'Platform' as 'Node.js'. Under 'Service details', the 'Cloudant' service is selected, with a note indicating that existing instances can be used. The 'Region' is set to 'London' and the 'Resource group' is 'Default'. A 'Pricing plan' dropdown menu is open, showing 'Cloudant-qw'. At the bottom, there are 'Cancel' and 'Create' buttons. The Windows taskbar at the bottom shows various application icons and the system clock indicating 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 step. The main content area is titled 'Node RED TXJEO 2022-11-13' with an 'Add tags' link. On the right, there is an 'Actions...' dropdown menu. The 'Details' section on the left lists 'App URL', 'Source' (with a 'Download code' button), 'Resource group' (set to 'Default'), 'Deployment target', and 'Created' date (11/13/2022). Below this, the 'Services' section shows 'Cloudant' as a connected service, with links to 'Open dashboard', 'Documentation', and 'API reference'. At the bottom, there are buttons for 'Connect existing services' and 'Create service'. On the right side, the 'Deployment Automation' section is visible, featuring a 'Deploy your app' button. The Windows taskbar at the bottom shows various application icons and the system clock indicating 18:47 on 13-11-2022.

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

The screenshot shows the IBM Cloud Developer console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and user information. The main area is titled 'Developer console' and shows the 'New' button. Below this, there's a section for 'Container registry' with a note: 'Note: Your cluster status must be available before you can select it.' The 'Container registry region' is set to 'Dallas' and the 'Container registry namespace' is 'default'. The 'Cluster region' is 'Dallas', 'Cluster resource group' is 'Default', and 'Cluster namespace' is 'default'. The 'Cluster name' is 'No clusters available'. The 'Deployment type' is 'Helm'. At the bottom, there are 'Cancel' and 'Next' buttons. A sidebar on the right contains a list of icons and an 'ASK A QUESTION' button.

IBM Cloud API key

Container registry region: Dallas

Container registry namespace: default

Cluster region: Dallas

Cluster resource group: Default

Cluster namespace: default

Cluster name: No clusters available

Deployment type: Helm

Buttons: Cancel, Next

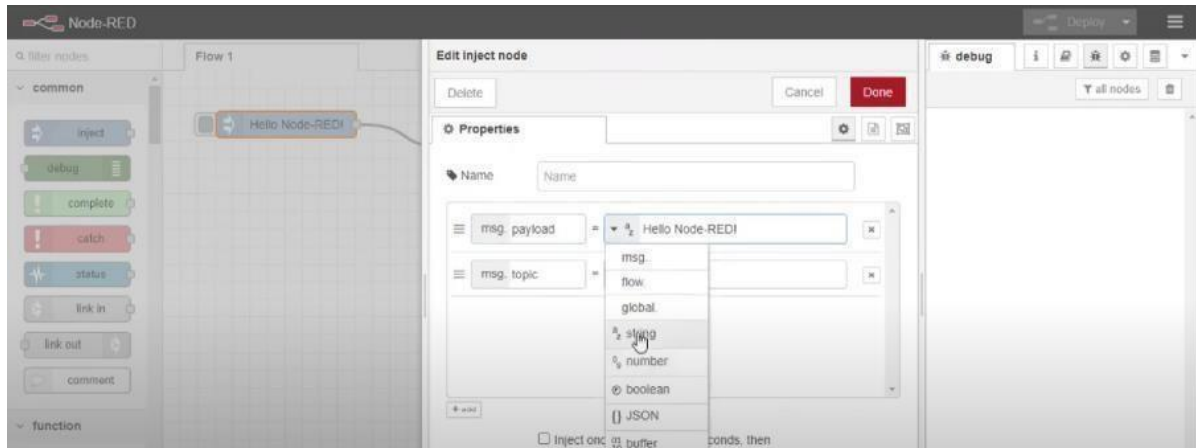
Right sidebar: ASK A QUESTION

Step 5: Successfully deployed the app.

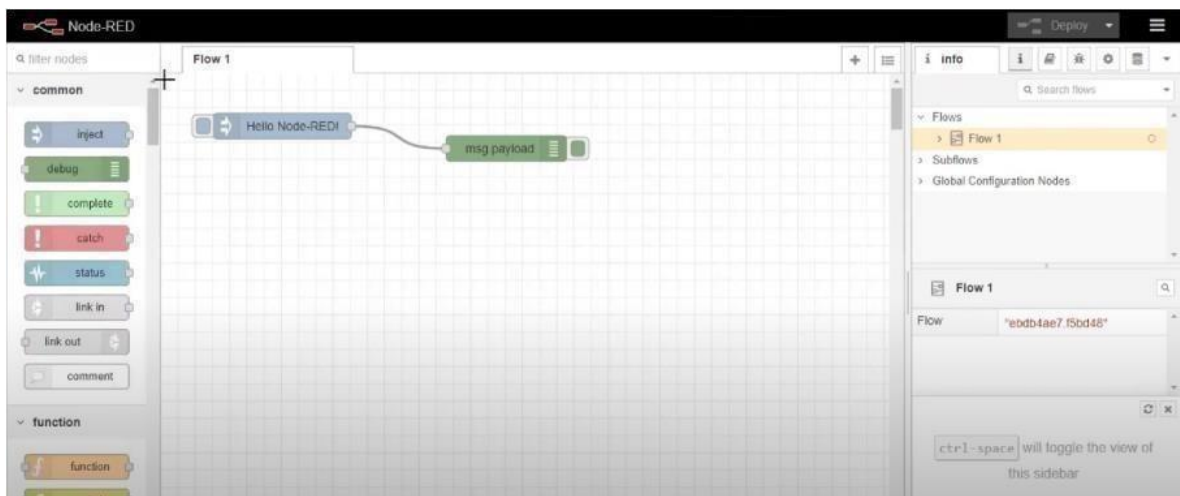
Delivery Pipelines

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.