Create Node-RED Service

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID42167
Project Name	IoT Based SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

Aim:

To create a web application, create a Node-RED service.

Steps to be followed

Step 1: Navigated to the App creation page.

Step 2: Entered project details and clicked on create

Catalog / Create app /

Node-RED

About	Create

Details

Author   IBM
Updated   10/02/2020
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   View docs   View API reference

Activate Windows
Go to Settings to activate Windows.

ASK A QUESTION

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Dashboard ∨

Edit dashboard   Upgrade account   **Create resource**   +

For you   Select an option

Build
Explore IBM Cloud with this selection of easy starter tutorials and services.

Explore IBM Cloud Shell
Try a command-driven approach for creating, developing, and deploying a web project.
Getting started   2 min

Visit the IBM Cloud catalog
Explore our unique product catalog that contains 190+ services and software for your business solutions.
Getting started   1 min

Build a web app with Watson Speech to Text
Deploy a conversational interface compatible with any application, device, or channel.
Getting started   15 min

Get Started with Watson Studio
Get started with using AI and Cloud Object Storage in 15 minutes.
Popular   2 hr

IBM Watson Knowledge Catalog
Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.
Recommended   2 min

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Type here to search   ENG   12:48   19-11-20
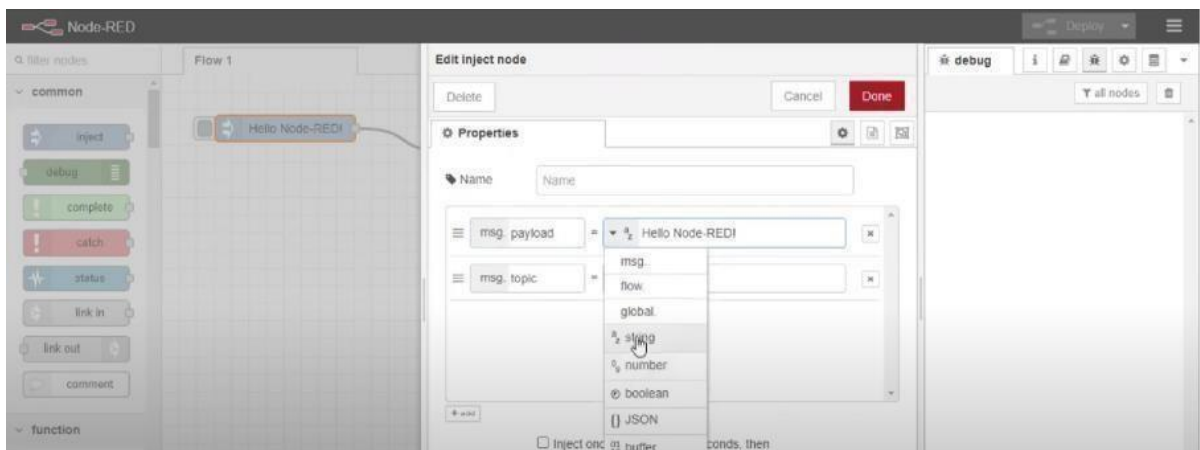
Step 3: Clicking on the "Deploy your App" Button.

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Resource list / App details /

Node RED ETHCN 2022-11-19   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	11/19/2022

Services

Cloudant   ⋮
Open dashboard ⧉   Documentation ⧉   API reference ⧉
Credentials ⌄

Connect existing services +   **Create service +**

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 ☁

💡 Getting started quickly   ✕

Configuring your app

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. Learn more. ⧉

2. If you want to view the code before your app is deployed, click **Download code** to obtain the .zip file.

3. Click **Deploy your app** in the **Deployment Automation** card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.

4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL

ASK A QUESTION

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ℹ **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
London ⌄	Organization ❗ ⌄	Space ❗ ⌄
	The value is required.	The value is required.

Host   **Domain**
Goat2   eu-gb.mybluemix.net ⌄

Cancel   Next

ASK A QUESTION

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

Step 5: Successfully deployed the app.
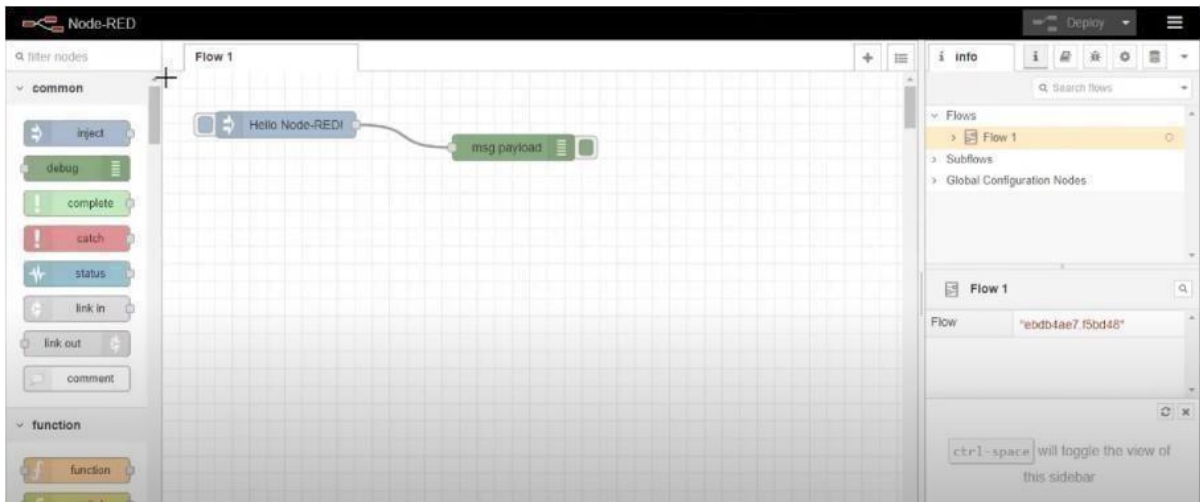
Delivery Pipelines

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.