

Create Node-RED Service

Team ID:	PNT2022TMID06422
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 shows the IBM Cloud interface for creating a Node-RED application. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog and Manage. The main content area is titled 'Node-RED' and features a 'Create' button. Below this, there is a sidebar with 'About' and 'Create' tabs. The 'About' tab is active, displaying details about the Node-RED starter kit, including its author (IBM), update date (2/11/2020), and type (Starter kit). The main content area provides an overview of the starter kit, explaining that it includes a pre-configured Node-RED application and a Cloudant service for storing application flow configuration. It also 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. A section titled 'What's included?' shows the Cloudant service, which is free to start, with links to view docs and pricing. An 'ASK A QUESTION' button is visible on the right side of the page.

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

ASK A QUESTION

Step 2: Entered project details and clicked on create

IBM Cloud

Search resources and products...

Accept the default name, or enter a value between 2 and 128 characters.

Resource group

Default

Tags

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

Sydney

Resource group

Default

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

IBM Cloud

Search resources and products...

Resource list / App details /

Node RED WPKLX 2022-11-14 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 11/14/2022

Services

Cloudant

Open dashboard Documentation API reference

Credentials

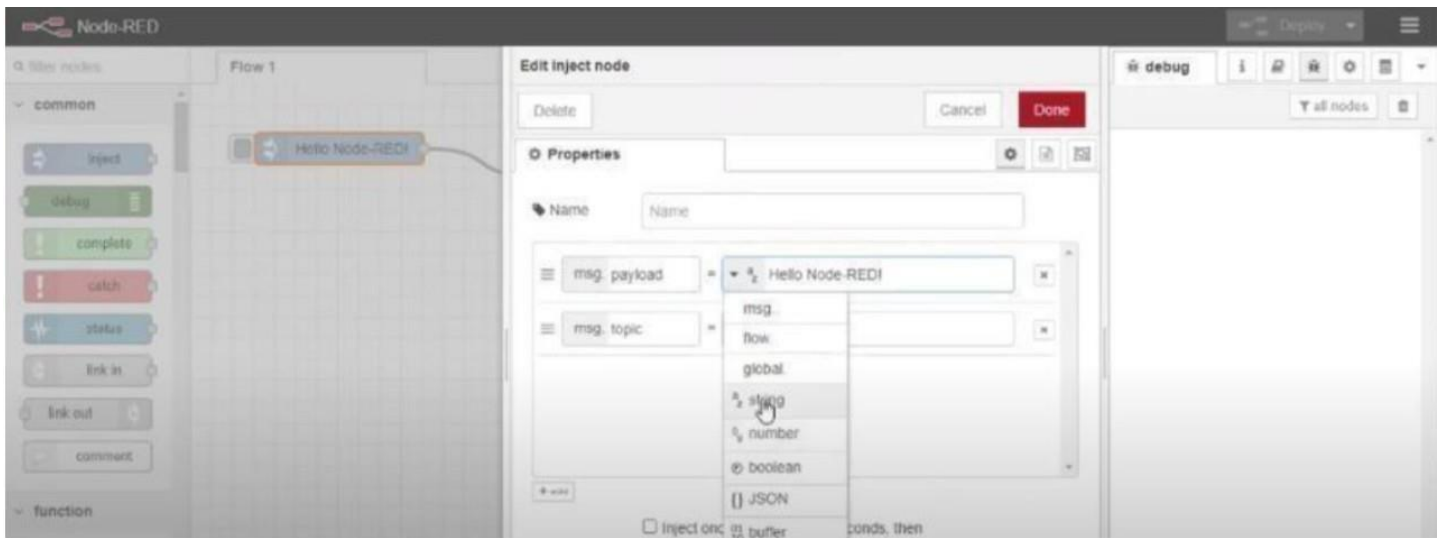
Deployment Automation

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

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

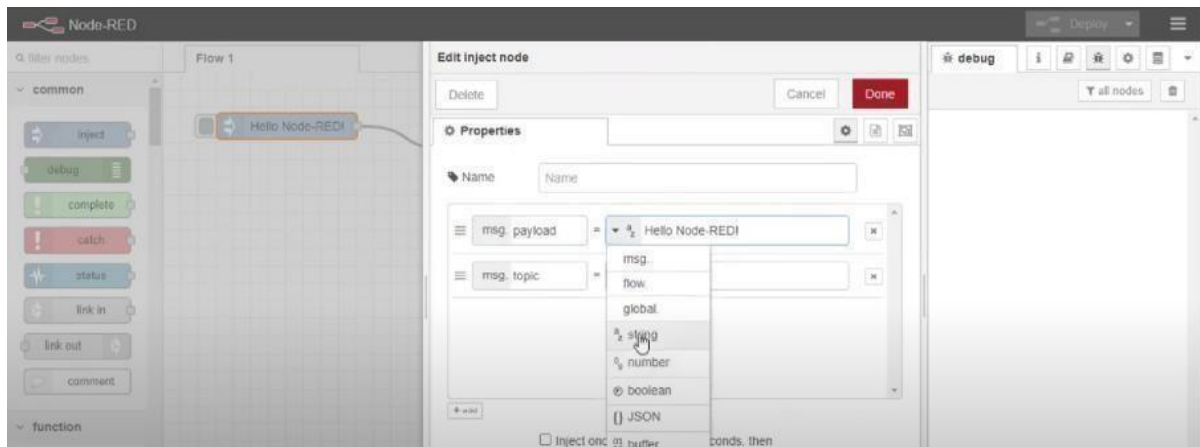


Step 5: Successfully deployed the app.

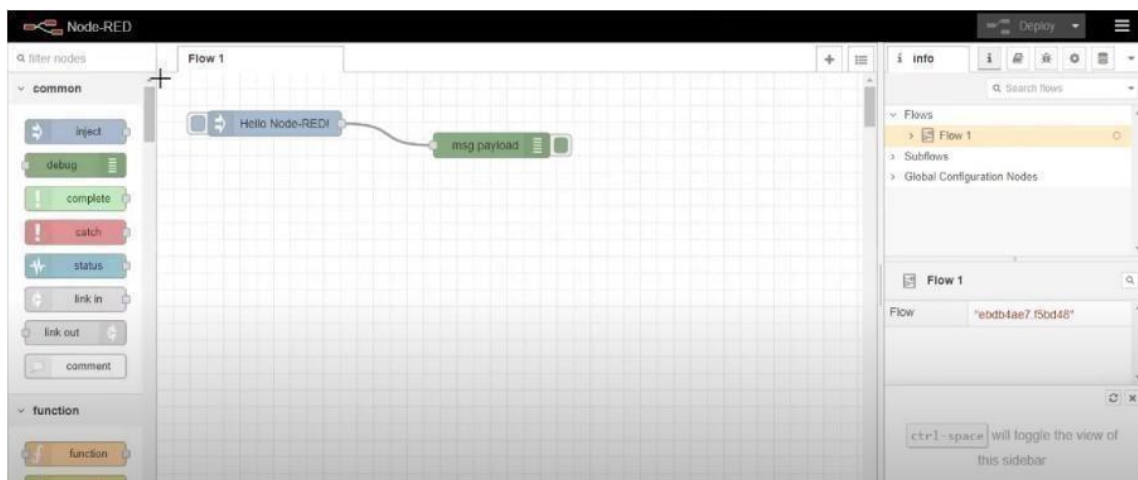
Delivery Pipelines

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.