

# Create Node-RED Service

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Team ID	PNT2022TMID51059
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

## Aim:

To create a web application that is to create a Node-RED service successfully.

## Steps to be followed

Step 1: Navigated to the App creation page.

The screenshot shows the IBM Cloud Developer App Service 'Create app' page for Node-RED. The page is titled 'Node-RED' and has a 'Create' button. The 'About' tab is selected, showing details about the 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: 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, which is 'Free to start' and has a 'View pricing' link. There are also links for 'View docs' and 'View API reference'. A 'Get started' button is at the bottom left, and an 'ASK A QUESTION' button is at the bottom right.

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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

Get started

ASK A QUESTION

## Step 2: Entered project details and clicked on create

The screenshot shows the IBM Cloud Developer console interface for creating a new app. 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 "IBM Cloud". The "Platform" section shows "Node.js" selected. The "Service details" section includes a "Cloudant" star icon and a warning message: "Warning: Only one instance of a Lite plan per service is allowed. To create a new service instance, either delete your existing Lite plan service instance, or select a paid plan before continuing. You can also use your existing Lite plan service instance with the application." The "Pricing plan" section shows "Lite" selected. The "Region" is set to "London" and the "Resource group" is set to "Default". At the bottom, there are "Cancel" and "Create" buttons. A vertical "ASK A QUESTION" button is visible on the right side.

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

The screenshot shows the IBM Cloud Developer console interface for the "Node RED KPPZD 2022-11-07" app. The browser address bar shows the URL: `cloud.ibm.com/developer/appservice/apps/aae2193c-a98f-44fd-a28b-d2377c42f4d6`. The page title is "Node RED KPPZD 2022-11-07". The "Details" section shows the App URL, Source, Resource group, Deployment target, and Created date. The "Services" section shows the "Cloudant" service and options to "Connect existing services" or "Create service". The "Deployment Automation" section shows the "Name", "Location", "Tool integrations", and "Delivery Pipelines". The "Getting started quickly" section provides instructions on how to configure the app and deploy it. A vertical "ASK A QUESTION" button is visible on the right side.

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

The screenshot shows the IBM Cloud Developer console for an application named "Node RED KPPZD 2022-11-07". The interface is divided into several sections:

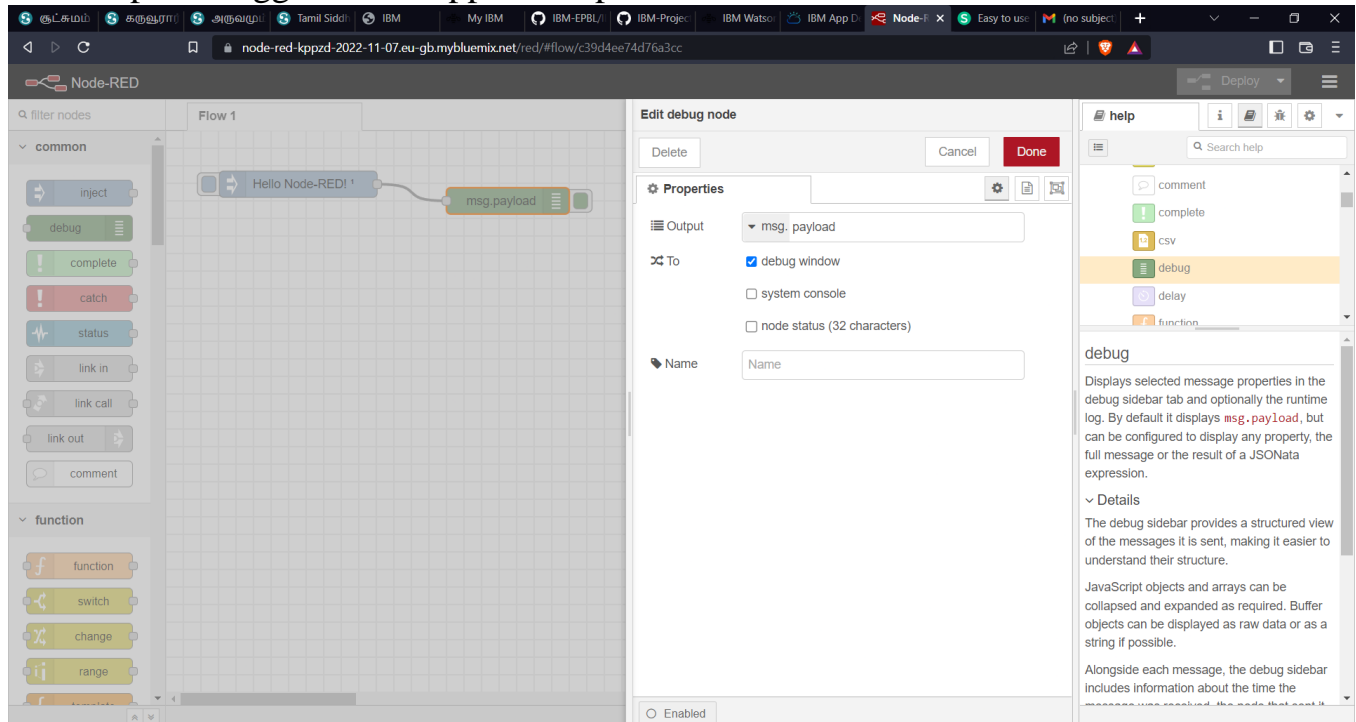
- Details:** Displays the App URL (<https://node-red-kppzd-2022-11-07.eu-gb.mybluemix.net>), Source (<https://us-south.git.cloud.ibm.com/953619106022/NodeRED...>), Resource group (Default), Deployment target (Node RED KPPZD 2022-11-07), and Created date (11/7/2022).
- Services:** Shows the "Cloudant" service with links to "Open dashboard", "Documentation", and "API reference". It also includes a "Credentials" dropdown and buttons for "Connect existing services" and "Create service".
- Deployment Automation:** Displays the Name "NodeREDKPPZD2022-11-07", Location "Dallas", and Tool integrations (GitHub, Jenkins, etc.). It lists two delivery pipelines: "pr-pipeline" (No stages detected) and "ci-pipeline" (Success).
- Getting started quickly:** A sidebar with instructions for configuring the app, including connecting services, downloading code, and deploying the app.

## Step 5: Successfully deployed the app.

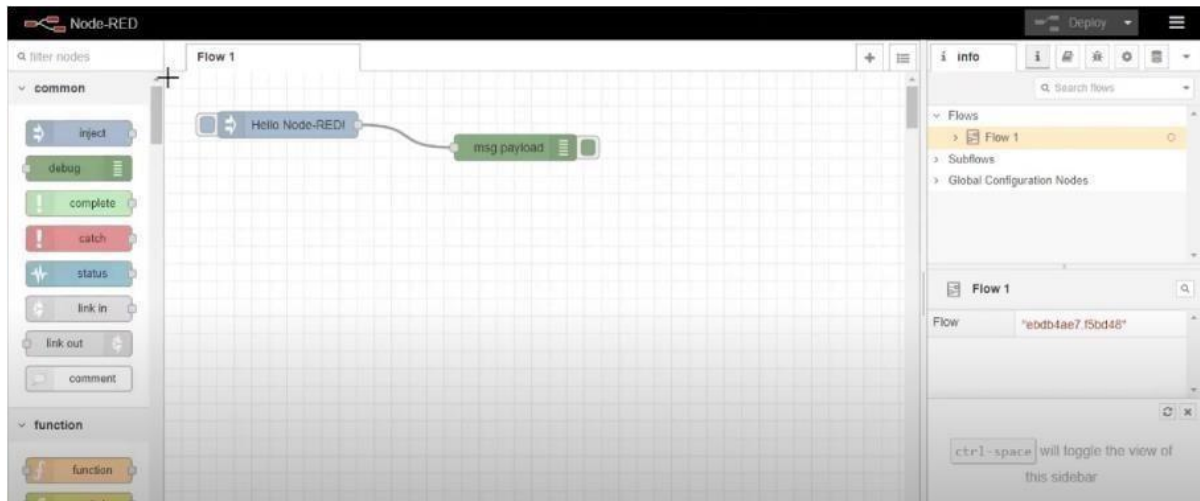
This screenshot focuses on the "Deployment Automation" section, showing the status of the delivery pipelines:

- pr-pipeline:** Status is "No stages detected".
- ci-pipeline:** Status is "Success", indicated by a green checkmark.

## 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.