

## Create NODE-RED Services

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID05193
Project Name	Smart Waste Management System For Metropolitan Cities

### 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 App Service 'Create app' page for Node-RED. The browser address bar shows the URL: cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined&iscreate=true. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (Gayathri N's Account). The main content area is titled 'Node-RED' and has two tabs: 'About' (selected) and 'Create'. The 'About' tab shows details about the starter kit, including its author (IBM), updated date (2/11/2020), and type (Starter kit). It also provides source code links (GitHub) and helpful links (Terms, Tutorial). The 'Overview' section describes the starter kit's purpose: to provide a pre-configured Node-RED application with a Cloudant service for storing application flow configuration. It lists three key features: generating an application with Node-RED, generating files for deployment to Cloud Foundry or a DevOps Pipeline, and connecting to provisioned services. A 'What's included?' section highlights the inclusion of Cloudant, which is free to start. Links for 'View docs' and 'View API reference' are provided. A vertical 'ASK A QUESTION' button is visible on the right side of the page.

**Step 2:** Entered project details and clicked on create.

The screenshot shows the IBM Cloud Developer console's 'Create app' form. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page header includes the IBM Cloud logo, a search bar, and navigation links for 'Catalog', 'Manage', and the user account 'Gayathri N's Account'. The form itself has a dark header with a hamburger menu and a search bar. Below this, there's a section for 'Platform' with 'Node.js' selected. The 'Service details' section includes a 'Cloudant' service with a star icon, a note explaining the star icon, and a 'Pricing plan' dropdown menu currently showing 'node-red-ceadz-2022--cloudant-1668606755654'. There are links for 'Pricing details' and 'Terms'. At the bottom of the form are 'Cancel' and 'Create' buttons. A vertical 'ASK A QUESTION' button is on the right side.

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

Search resources and products...

Catalog Manage Gayathri N's Account

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 Chennai Resource group Default

Pricing plan

node-red-ceadz-2022--cloudant-1668606755654

Pricing details Terms

Cancel Create

ASK A QUESTION

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

The screenshot shows the IBM Cloud Developer console's 'Node RED AIGLJ 2022-11-16' app details page. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/apps/915c51fc-9e76-413f-b892-d618c6008152`. The page header is identical to the previous screenshot. The main content area has a dark header with a hamburger menu, a search bar, and navigation links for 'Catalog', 'Manage', and the user account 'Gayathri N's Account'. Below this, there's a section for 'Node RED AIGLJ 2022-11-16' with an 'Actions...' dropdown menu. The 'Details' section shows 'App URL' (empty), 'Source' (with a 'Download code' button), 'Resource group' (Default), 'Deployment target' (empty), and 'Created' (11/16/2022). The 'Services' section shows 'Cloudant' with 'Provisioning service credentials' and buttons for 'Connect existing services' and 'Create service'. The 'Deployment Automation' section shows 'Configure Continuous Delivery' with a note that it's not enabled and a 'Deploy your app' button. A vertical 'ASK A QUESTION' button is on the right side.

cloud.ibm.com/developer/appservice/apps/915c51fc-9e76-413f-b892-d618c6008152

IBM Cloud

Search resources and products...

Catalog Manage Gayathri N's Account

Resource list / App details /

Node RED AIGLJ 2022-11-16

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

11/16/2022

Services

Cloudant

Provisioning service credentials

Connect existing services Create service

Deployment Automation

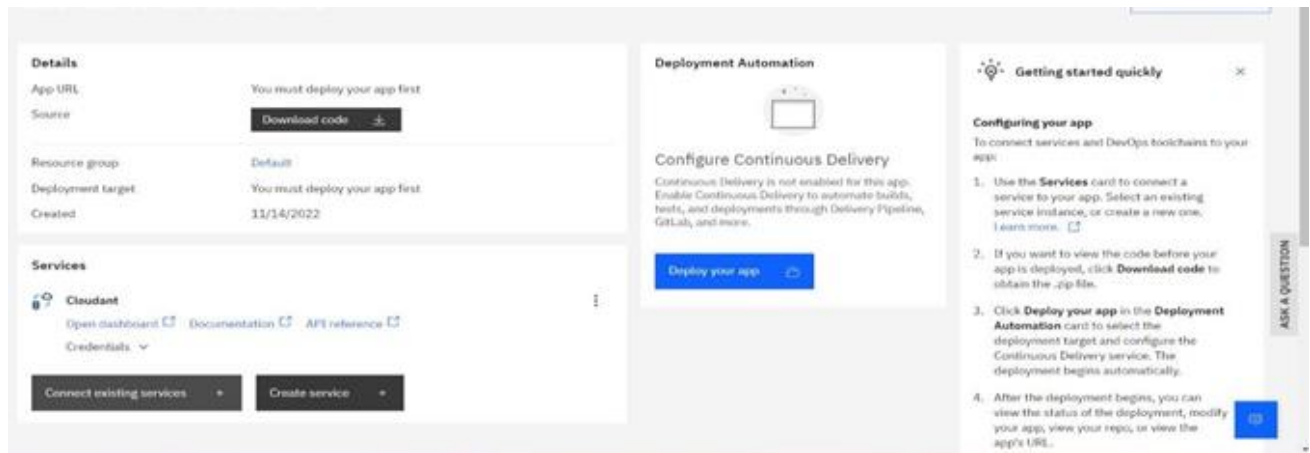
Configure Continuous Delivery

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

ASK A QUESTION

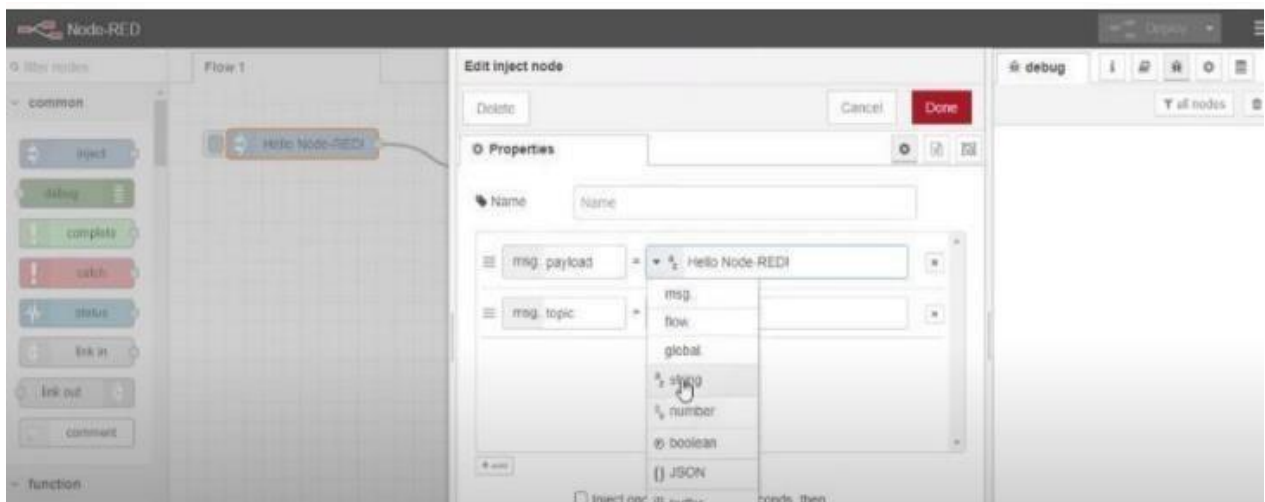
**Step 4: Setting up the environment and deploying the app.**



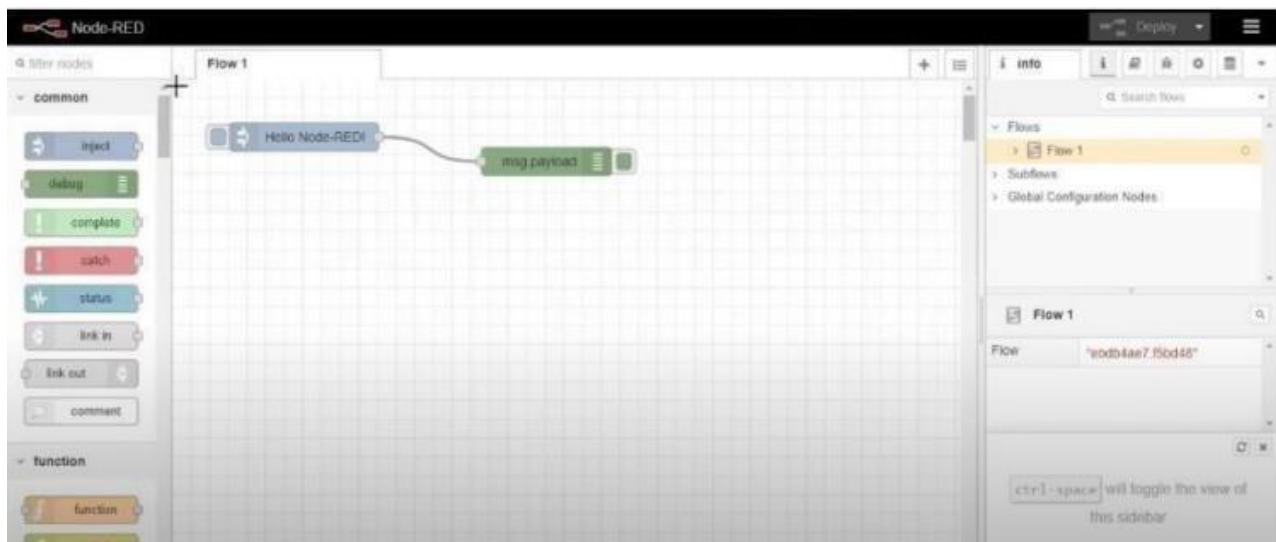
**Step 5:** Successfully deployed the app.



**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.