

Create Node-RED Service

Date	10 NOVEMBER 2022
Team ID	PNT2022TMID51558
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM

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 a web browser window with the URL `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page is titled "Node-RED" and is part of the "Create app" section. The left sidebar contains a "Details" section with the following information:

- Author: IBM
- Updated: 2/11/2020
- Type: Starter kit
- Source code: [GitHub](#)
- Helpful links: [Terms](#), [Tutorial](#)

The main content area has a "Create" tab selected. It contains an "Overview" section with the text: "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."

Below the overview, there is a section titled "This starter kit will help you" with a bulleted list:

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

At the bottom, there is a section titled "What's included?" with a "View docs" link and a "View API reference" link. The bottom of the browser window shows the Windows taskbar with the system clock at 15:02 on 08-11-2022.

Step 2: Entered project details and clicked on create

The screenshot shows the IBM Cloud Developer console interface. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page title is "Node-RED". Below the title, there are two tabs: "About" and "Create". The "Create" tab is active. The "App details" section contains the following fields:

- App name:** A text input field containing "Node RED MEPJG 2022-11-08". Below the field, a message states: "Accept the default name, or enter a value between 2 and 128 characters."
- Resource group:** A dropdown menu with "Default" selected.
- Tags:** A text input field with the placeholder text "Examples: env:dev, version-1".
- Platform:** A section that is currently disabled, indicated by a greyed-out state and a message "Waiting for pixel.mathtag.com...".

On the right side of the page, there is a vertical button labeled "ASK A QUESTION". At the bottom right, there is a blue button with a speech bubble icon. The Windows taskbar at the bottom shows the time as 15:04 on 08-11-2022.

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

The screenshot shows the IBM Cloud Developer console interface for the app "Node RED MEPJG 2022-11-08". The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/apps/098309b1-d1bf-4219-b149-3b02d3e66f1e`. The page title is "Node RED MEPJG 2022-11-08". Below the title, there is a button labeled "Actions...". The "Details" section contains the following information:

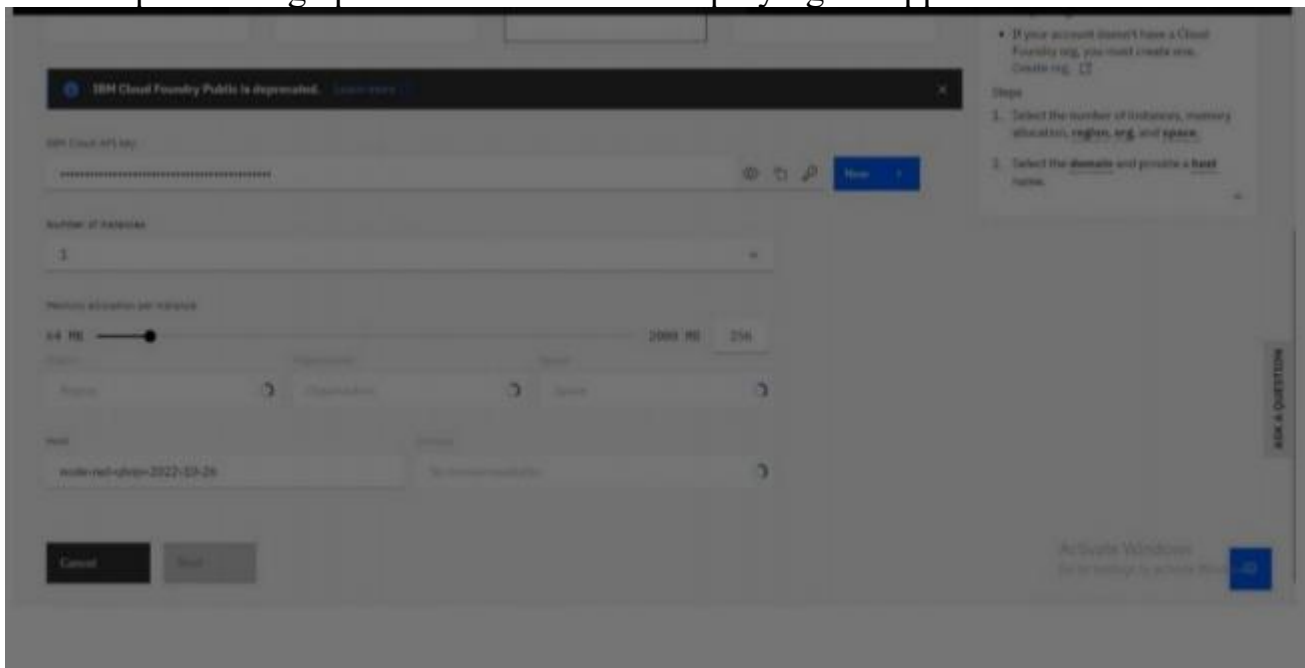
- App URL:** "You must deploy your app first"
- Source:** A button labeled "Download code" with a download icon.
- Resource group:** "Default"
- Deployment target:** "You must deploy your app first"
- Created:** "11/8/2022"

The "Services" section shows a list of services with "Cloudant" and "Provisioning service credentials" listed. Below the list, there are two buttons: "Connect existing services" and "Create service".

The "Deployment Automation" section contains a button labeled "Deploy your app" with a cloud icon. Below this, there is a section titled "Configure Continuous Delivery" with the text: "Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more."

On the right side of the page, there is a vertical button labeled "ASK A QUESTION". At the bottom right, there is a blue button with a speech bubble icon. The Windows taskbar at the bottom shows the time as 15:07 on 08-11-2022.

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

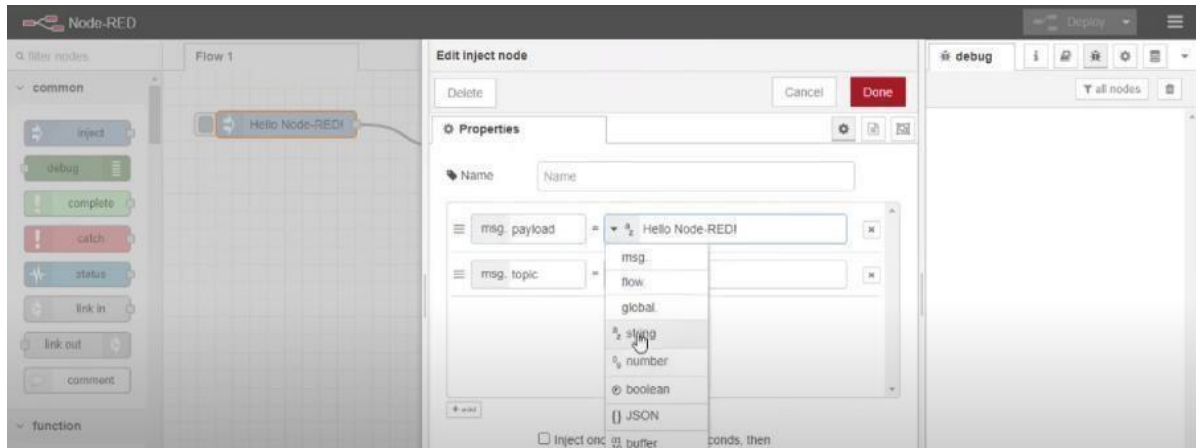


Step 5: Successfully deployed the app.

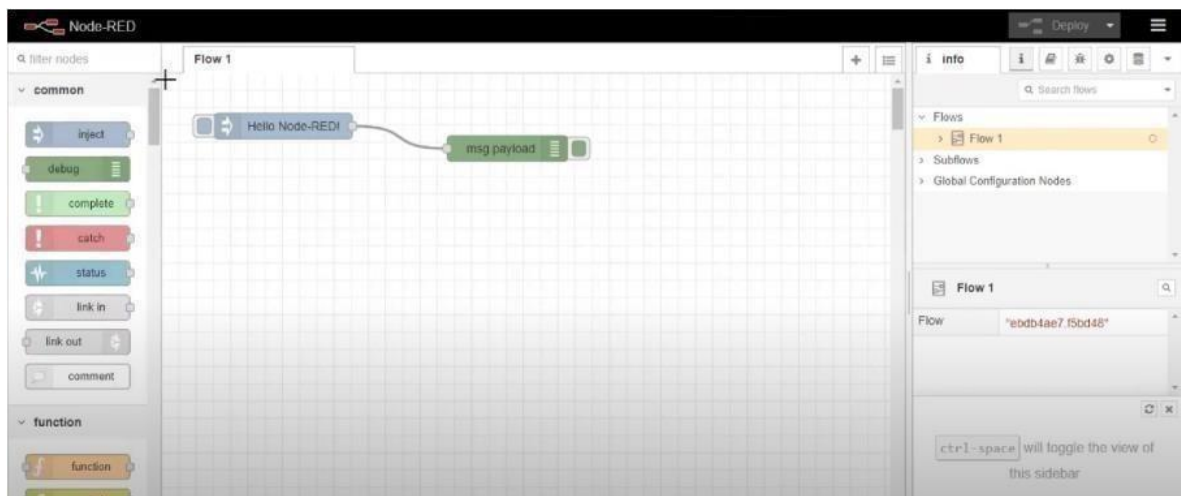
Delivery Pipelines

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.