

Create Node-RED Service

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID12343
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Aim:

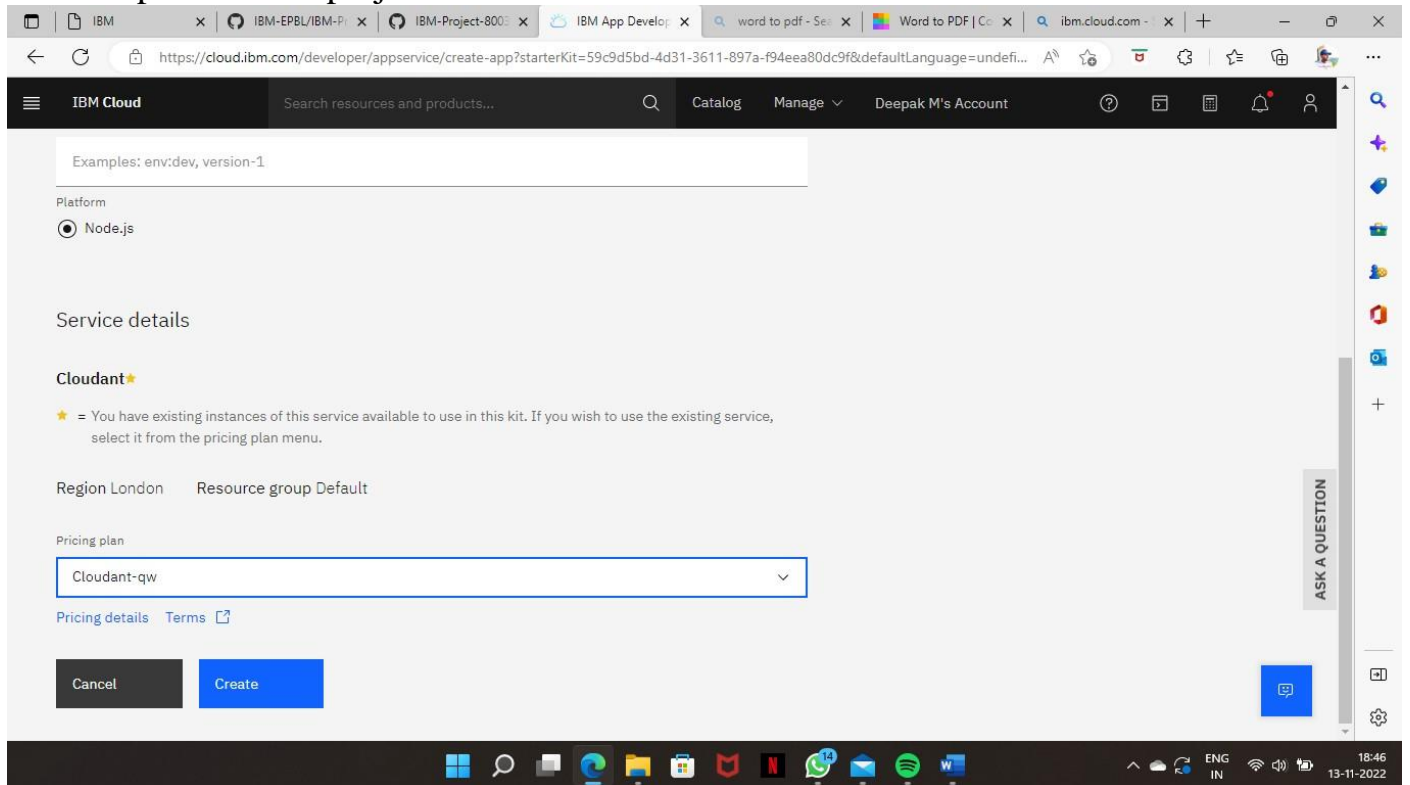
To create a web application, create a Node-RED service.

Steps to be followed

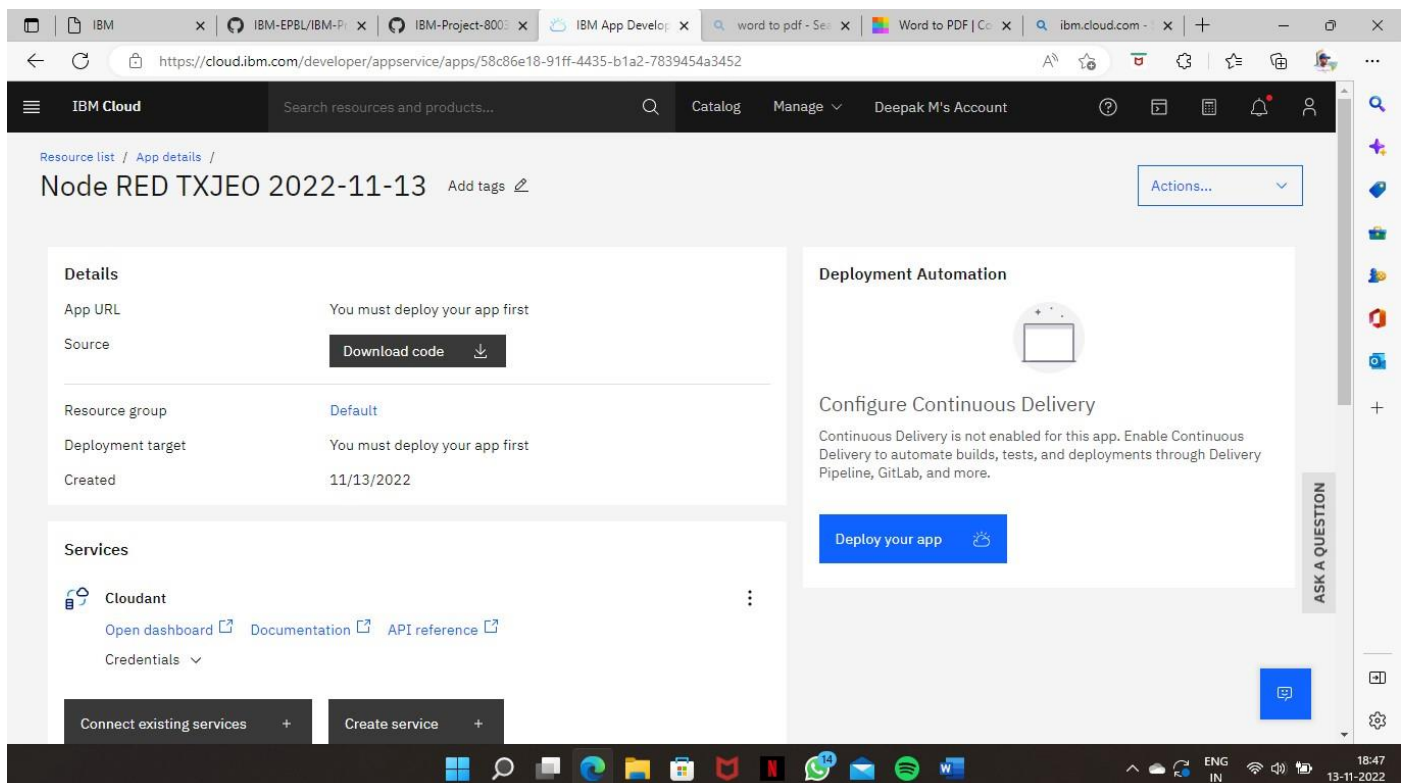
Step 1: Navigated to the App creation page.

The screenshot shows a web browser window displaying the IBM Cloud Developer App Service page for Node-RED. The browser's address bar shows the URL: <https://cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLangu...>. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and Deepak M's Account. The main content area is titled "Node-RED" and features a "Create" button. Below this, there is an "About" section with details about the starter kit, including the author (IBM), update date (2/11/2020), and type (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 three key features: generating an application with Node-RED, generating an application with files for deploying 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. The page also includes links to View docs, View API reference, and View pricing. The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 18:45 on 13-11-2022.

Step 2: Entered project details and clicked on create



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



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

The screenshot shows the IBM Cloud Developer console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and user information 'Deepak M's Account'. Below this, the 'IBM Cloud API key' is displayed with a 'New' button. A note states: 'Note: Your cluster status must be available before you can select it.' The configuration section includes dropdowns for 'Container registry region', 'Container registry namespace', 'Cluster region' (set to 'Dallas'), 'Cluster resource group' (set to 'Default'), 'Cluster namespace' (set to 'default'), and 'Cluster name' (set to 'No clusters available'). A 'Create new' button is next to the cluster name. The 'Deployment type' is set to 'Helm'. At the bottom, there are 'Cancel' and 'Next' buttons. A sidebar on the right contains an 'ASK A QUESTION' button and a list of application icons. A list of instructions is visible on the right side of the screen:

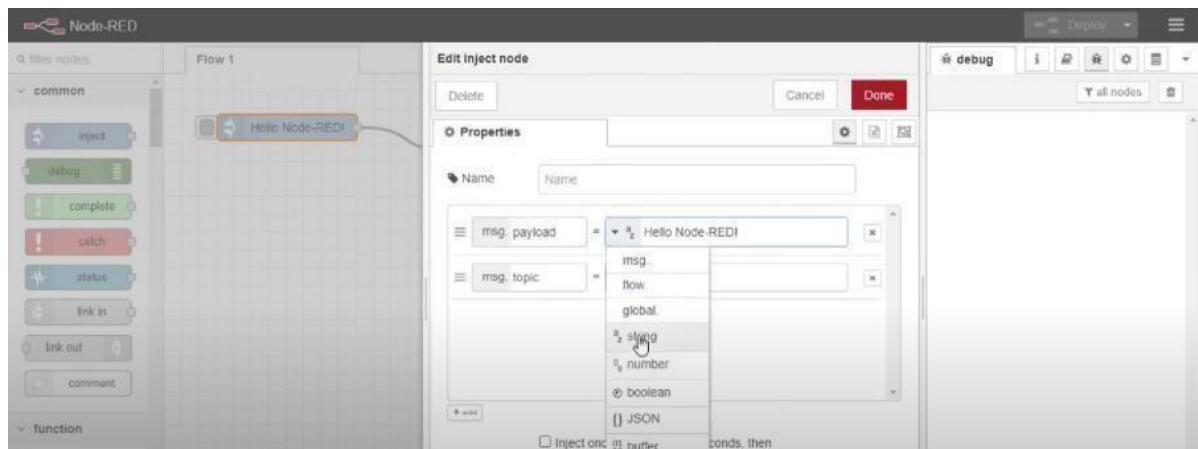
5. Select the resource group, cluster namespace, and the cluster name.
6. The deployment type of Helm is selected for you.
7. Click Next.

Step 5: Successfully deployed the app.

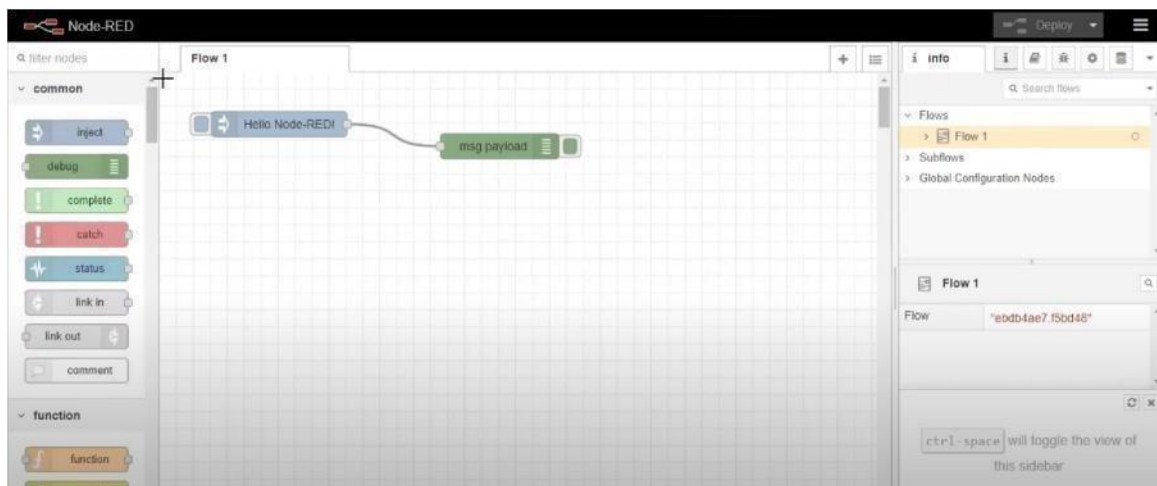
Delivery Pipelines

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.