

Create Node-RED Service

Date	26 October 2022
Team ID	PNT2022TMID26651
Project Name	Smart Waste Management Using IOT In Metropolitan Cities

Aim:

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

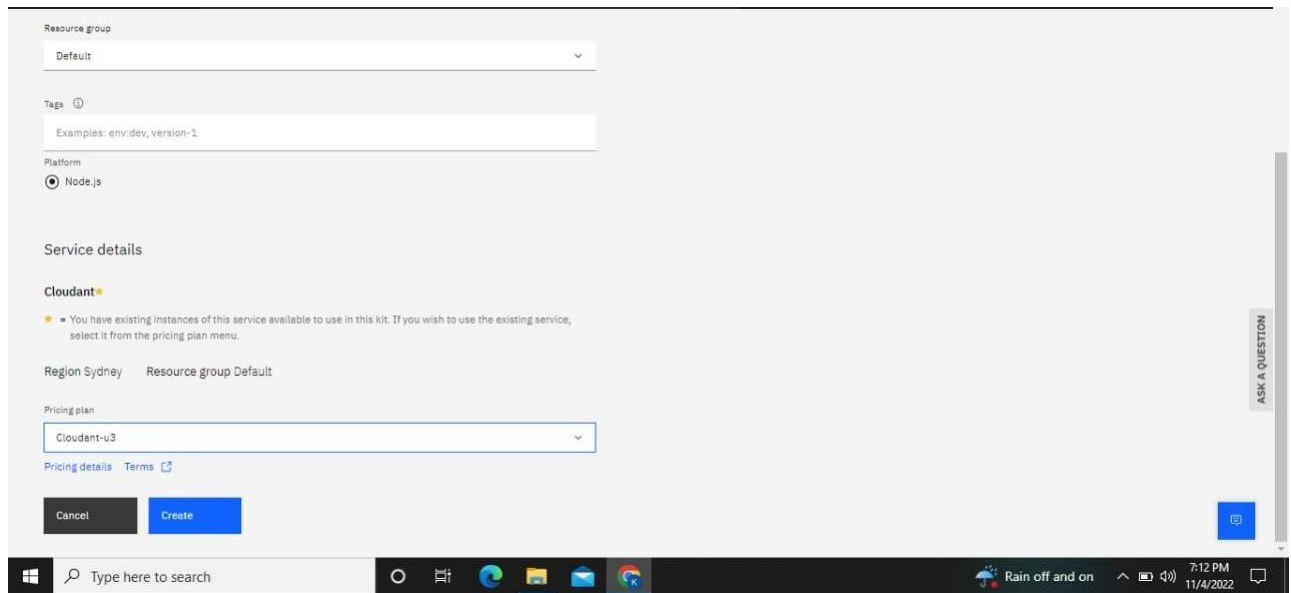
Steps to be followed

Step 1: Navigated to the App creation page.

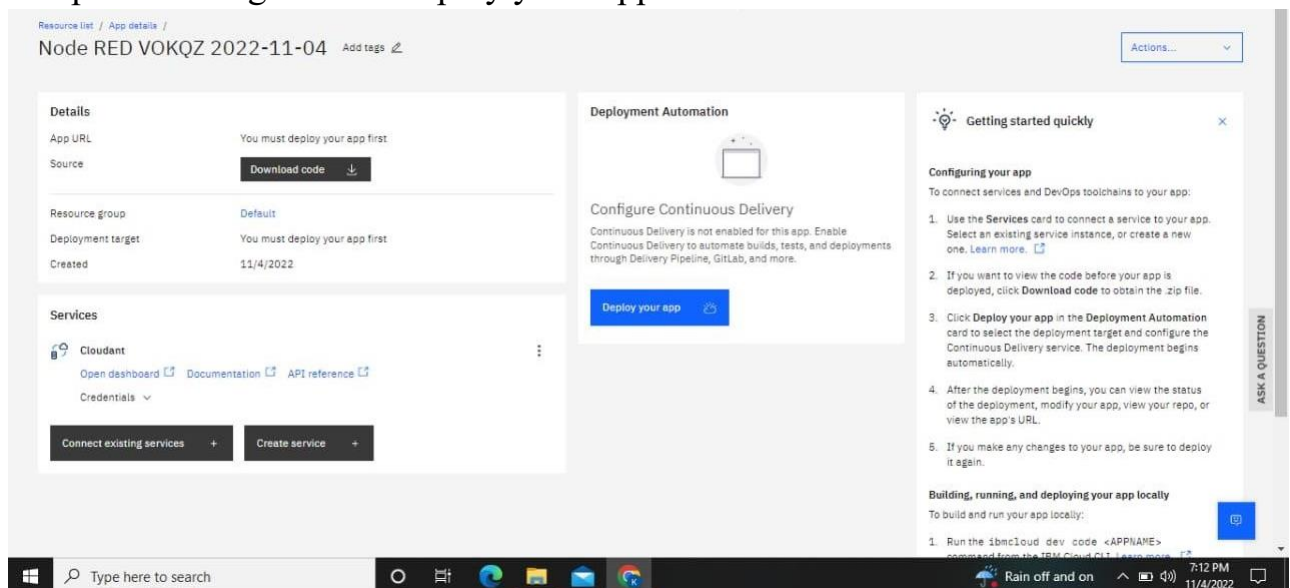
The screenshot displays the IBM Cloud App Development console. At the top, there's a navigation bar with 'IBM Cloud' and a search bar. Below it, a banner indicates 'IBM Cloud Foundry Public is deprecated'. The main section is titled 'IBM Cloud API key' and shows a key '08vyiNfNHg7SVZI3E18FrEE8tcFXn7cn5djiDoGcpaBV'. Below this, the 'Number of instances' is set to 1. The 'Memory allocation per instance' is shown as a slider from 64 MB to 2000 MB, with a value of 256 MB selected. The 'Region' is set to 'Sydney', 'Organization' to 'naveenkumar26651', and 'Space' to 'nav'. The 'Host' field contains 'node-red-yfkra-2022-11-16' and the 'Domain' is 'au-syd.mybluemix.net'. At the bottom, there are 'Cancel' and 'Next' buttons. A vertical 'ASK A QUESTION' button is on the right side.

2: Entered project details and clicked on create.

Step



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



4: Setting up the environment and deploying the app.

Step

The screenshot shows the IBM Cloud Foundry Public console. At the top, there are four informational boxes: 'clusters', 'OpenShift on IBM Cloud', 'is available for quick and easy deployment', and 'workloads, and pay only for the resources that you consume'. Below these is a dark banner stating 'IBM Cloud Foundry Public is deprecated.' with a 'Learn more' link. The main form is for creating a new application. It includes an 'IBM Cloud API key' field with a 'New +' button. Below that is a 'Number of instances' dropdown set to '1'. A 'Memory allocation per instance' slider is set to '256' MB, with a range from '64 MB' to '2000 MB'. There are three dropdowns for 'Region' (set to 'Washington DC'), 'Organization', and 'Space'. Below these are 'Host' and 'Domain' fields. The 'Host' field contains 'node-red-vokaz-2022-11-04' and the 'Domain' field contains 'No domain available'. At the bottom left are 'Cancel' and 'Next' buttons. On the right side, there is a 'Before you begin' section with a bullet point: 'If your account doesn't have a Cloud Foundry org, you must create one. Create org.' followed by 'Steps' 1 and 2. A vertical 'ASK A QUESTION' button is on the far right. The Windows taskbar is visible at the bottom with the search bar and system tray showing the time as 7:26 PM on 11/4/2022.

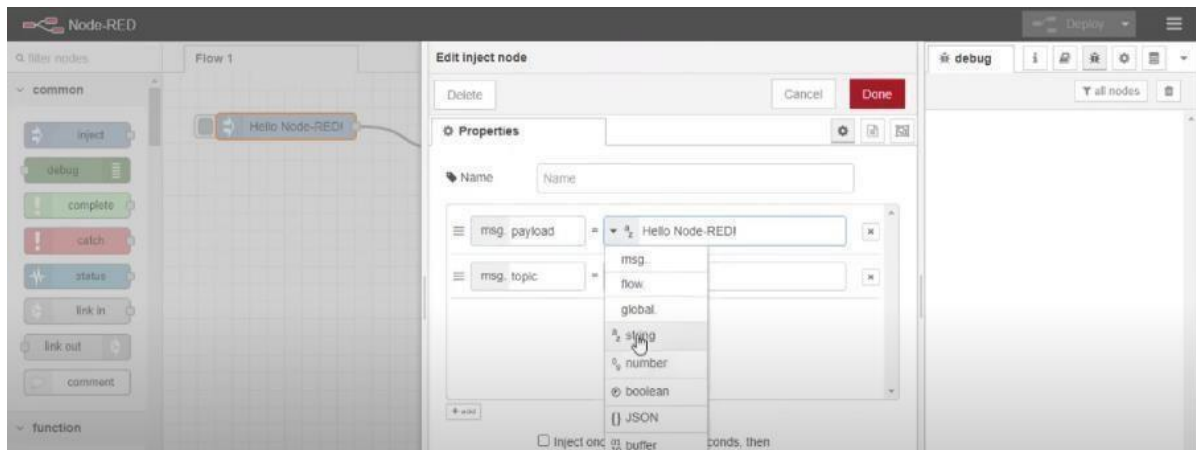
Step 5: Successfully deployed the app.

Delivery Pipelines

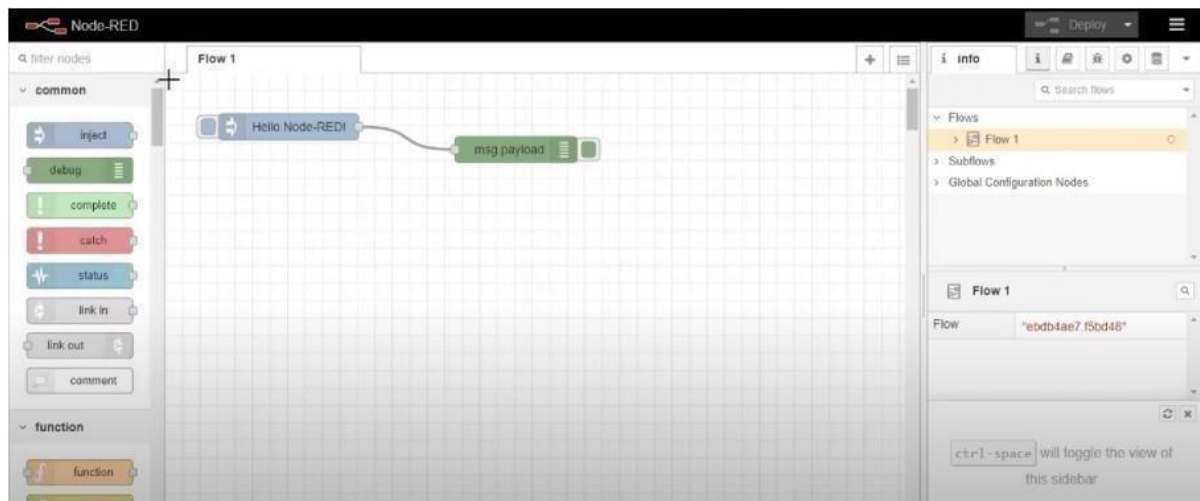
Name	ci-pipeline
Status	Success
Last input	Last commit by IBM Cloud DevOps Services (7 minutes ago) Clone from zip

6: Dragged and dropped components into the editor.

Step



Step 7: Editing some values of the properties.



8: Successfully deployed the app.



Step

Result:

Successfully created a Node RED service on IBM Cloud.