

Create Node-RED Service

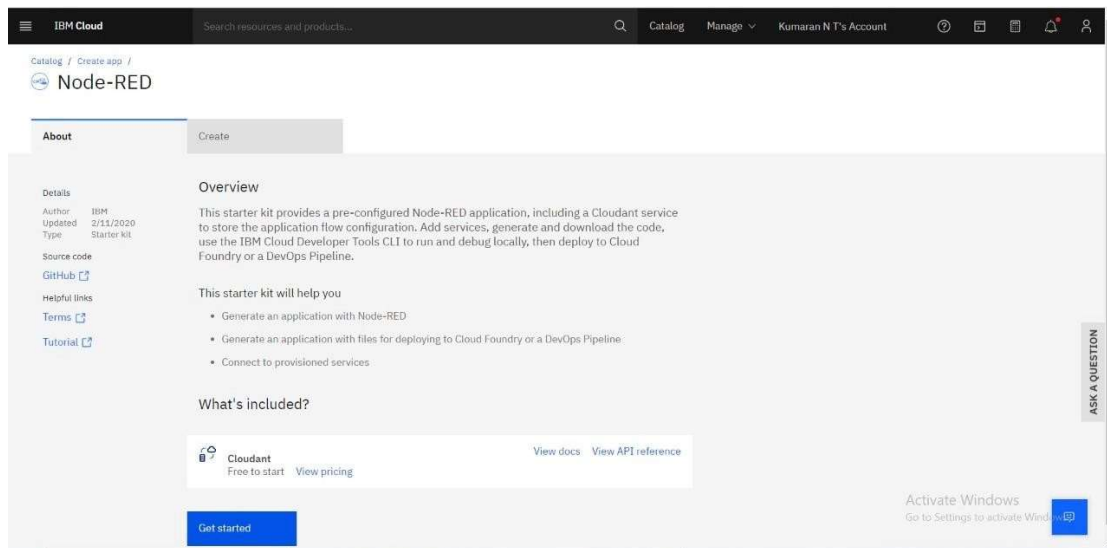
Date	26 October 2022
Team ID	PNT2022TMID28936
Project Name	Gas leakage monitoring and alerting system for industries

Aim:

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

Steps to be followed

Step 1: Navigated to the App creation page.



Step 2: Entered project details and clicked on create.

The screenshot shows the IBM Cloud console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and user account information. Below this, a dropdown menu is set to 'Default'. A 'Tags' section has a text input with examples 'env:dev, version:1'. The 'Platform' section has 'Node.js' selected. Under 'Service details', the 'Cloudant' service is highlighted. A note indicates that existing instances can be selected from the pricing plan menu. The 'Region' is set to 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' dropdown shows 'node-red-ide1-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. An 'Activate Windows' watermark is visible in the bottom right corner.

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

The screenshot shows the IBM Cloud console interface for a specific application, 'Node RED QHNJV 2022-10-26'. The 'Details' section shows the 'App URL' and 'Source' (with a 'Download code' button). The 'Resource group' is 'Default'. The 'Deployment target' is 'You must deploy your app first'. The 'Created' date is '10/26/2022'. The 'Services' section shows the 'Cloudant' service with links to 'Open dashboard', 'Documentation', and 'API reference'. A 'Deploy your app' button is visible in the 'Deployment Automation' section. A 'Getting started quickly' sidebar on the right provides instructions for configuring the app, including connecting services and deploying. An 'Activate Windows' watermark is visible in the bottom right corner.

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

The screenshot shows the IBM Cloud Foundry console interface for creating a new application. The top navigation bar includes the IBM Cloud logo, a search bar, and user account information (Kumaran N T's Account). A notification banner at the top states "IBM Cloud Foundry Public is deprecated." with a "Learn more" link. The main configuration area includes:

- IBM Cloud API key:** A text field with a masked key and a "New" button.
- Number of instances:** A dropdown menu set to "1".
- Memory allocation per instance:** A slider ranging from 64 MB to 2000 MB, currently set at 256 MB.
- Region, Organization, and Space:** Three dropdown menus for selecting the deployment environment.
- Host and Domain:** The host is set to "node-red-qhnpj-2022-10-26" and the domain is "No domain available".

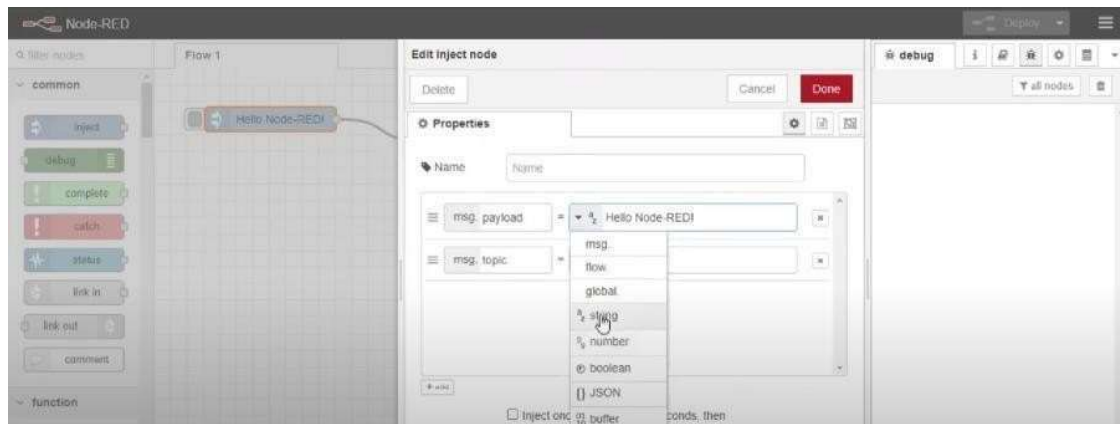
At the bottom, there are "Cancel" and "Next" buttons. A sidebar on the right contains a "ASK A QUESTION" button and a list of steps for deployment.

Step 5: Successfully deployed the app.

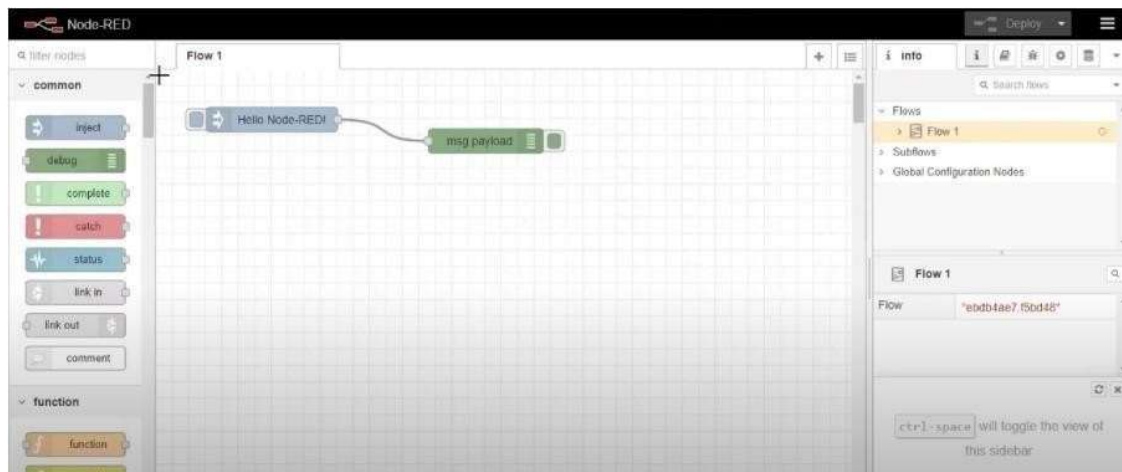
Delivery Pipelines

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.