

Create Node-RED Service

Date	03/November/2022
Team ID	PNT2022TMID01082
Project Name	IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks
Submitted By	Prem kumar Manoj kumar

Aim: To create a web application create a Node-RED service.

Steps followed:

- Navigated to the App creation page

The screenshot shows the IBM Cloud Catalog interface. At the top, there's a navigation bar with 'IBM Cloud' and a search bar. Below the navigation, the path 'Catalog / Create app /' is shown, followed by the title 'Node-RED'. There are two tabs: 'About' (selected) and 'Create'. The 'About' tab displays 'Details' for the Node-RED starter kit, including author (IBM), updated date (2/11/2020), and type (Starter kit). It also links to 'Source code' (GitHub), 'Helpful links', 'Terms', and 'Tutorial'. The 'Create' tab shows an 'Overview' section with a description of the starter kit: '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 this, there's a list of 'This starter kit will help you' with three bullet points: 'Generate an application with Node-RED', 'Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline', and 'Connect to provisioned services'.

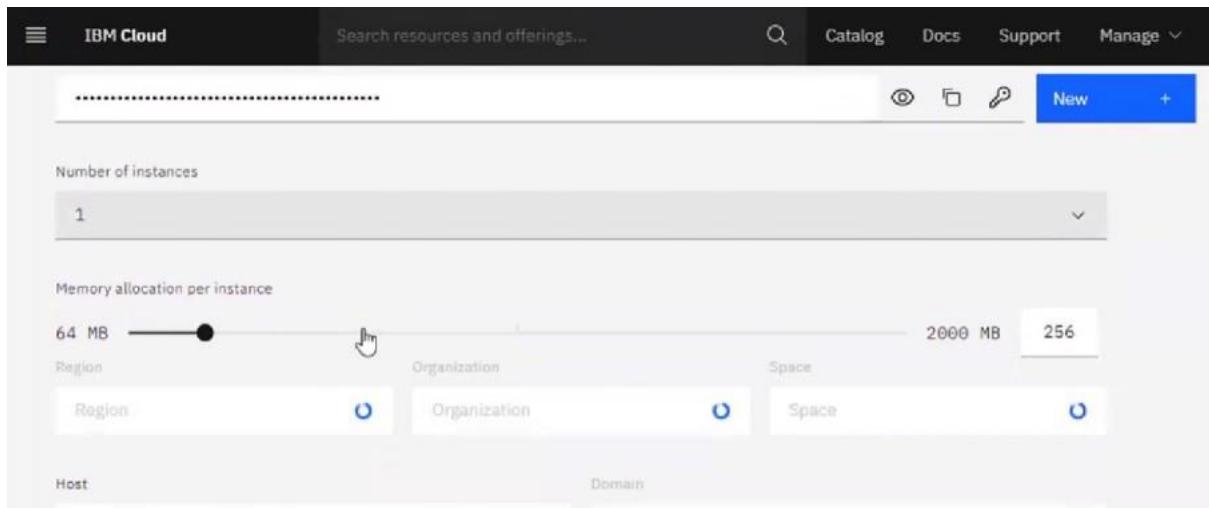
- Entered project details and clicked on create

The screenshot shows the IBM Cloud interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog', 'Docs', 'Support', and 'Manage'. Below the navigation, a search bar contains the placeholder 'Examples: env:dev, version-1'. A 'Platform' dropdown is set to 'Node.js'. The main section is titled 'Service details' and shows a card for 'Cloudant'. The card includes fields for 'Region' (set to 'London') and 'Resource group' (set to 'Default'). Under 'Pricing plan', it shows 'Lite'. There are links for 'Pricing details' and 'Terms'. At the bottom of the card, there's a button labeled 'Creating app...'. A cursor arrow is visible, pointing towards the bottom right corner of the card.

- Clicking on the “Deploy your App” Button

The screenshot shows the 'Deployment Automation' page. At the top, it says 'Deployment Automation' and features a large circular icon with a plus sign and a square outline. Below this, there's a section titled 'Configure Continuous Delivery' with the sub-instruction: 'Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.' At the bottom, there's a prominent blue button with the text 'Deploy your app' and a small sun icon. A hand cursor is shown clicking on the left side of this button.

- Setting up the environment and deploying the app

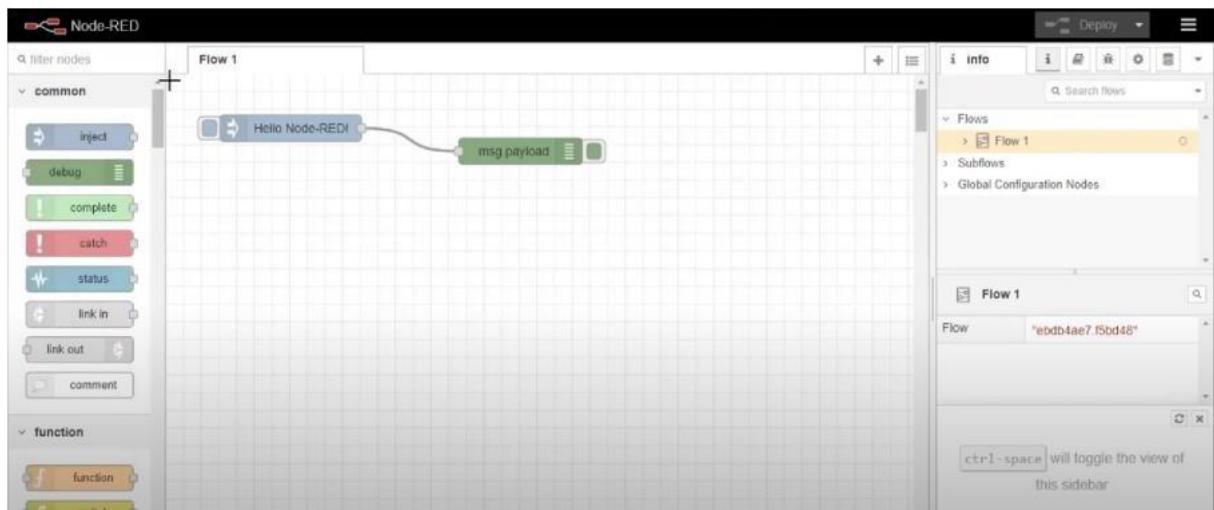


- Successfully deployed the app

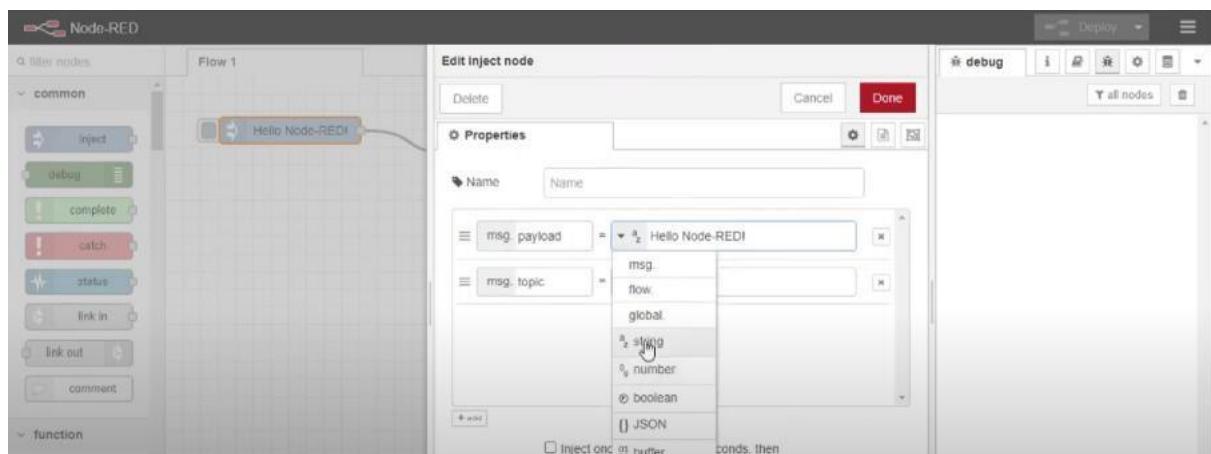
Delivery Pipelines

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

- Dragged and dropped components into the editor



- Editing some values of the properties



- Successfully deployed the app



Result: Successfully created a NodeRED service on IBM Cloud