

Create Node-RED Service

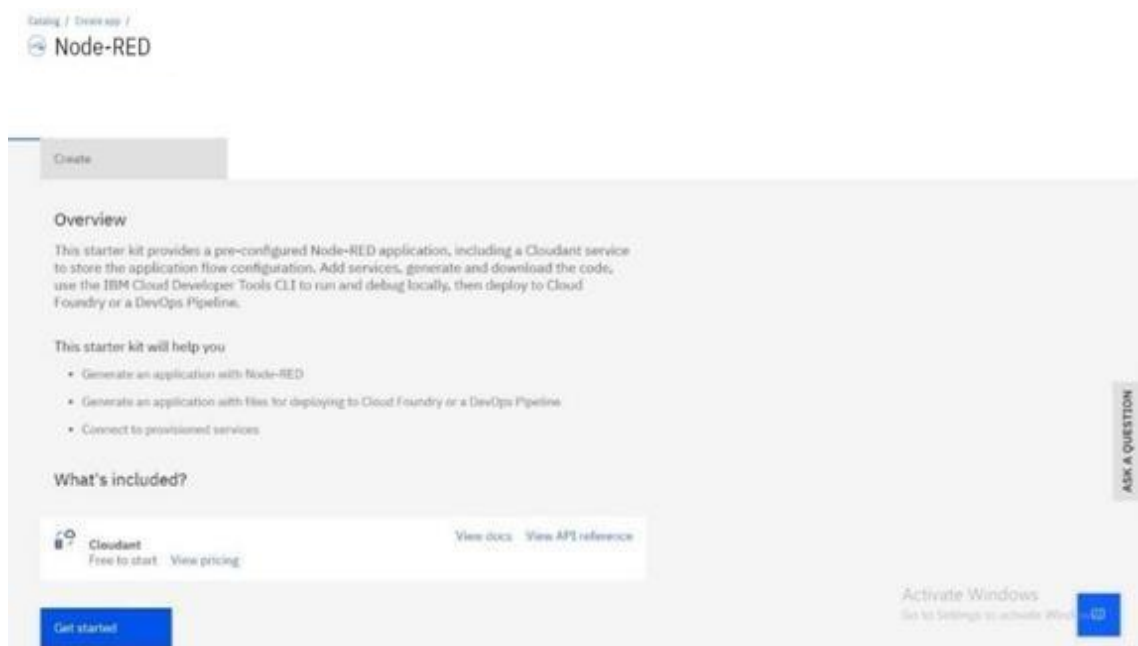
Date	22 NOVEMBER 2022
Team ID	PNT2022TMID16813
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

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

This screenshot shows the 'Create new resource' page in the Azure portal for a Node.js service. The 'Resource group' is set to 'Default'. The 'Tags' section has a text input with 'Examples: env:dev, version-1'. The 'Platform' is set to 'Node.js'. Under 'Service details', the 'Cloudant' service is selected. A note indicates that existing instances can be used. The 'Region' is 'Frankfurt' and the 'Resource group' is 'Default'. The 'Pricing plan' dropdown is set to 'node-red-fdef1-2022--cloudant-1666683139018'. At the bottom, there are 'Cancel' and 'Create' buttons. An 'Activate Windows' watermark is visible in the bottom right corner.

Resource group: Default

Tags: Examples: env:dev, version-1

Platform: Node.js

Service details

Cloudant

You have existing instances of this service available to use in this kit. If you wish to use the existing service, select it from the pricing plan menu.

Region: Frankfurt Resource group: Default

Pricing plan: node-red-fdef1-2022--cloudant-1666683139018

Pricing details Terms

Cancel Create

Activate Windows
Go to Settings to activate Windows

ASK A QUESTION

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

This screenshot shows the 'Node RED QHNJV 2022-10-26' page in the Azure portal. The page has a breadcrumb 'Resource list / App details /' and a title 'Node RED QHNJV 2022-10-26' with an 'Add tags' link. The 'Details' section shows 'App URL' as 'You must deploy your app first', 'Source' with a 'Download code' button, 'Resource group' as 'Default', 'Deployment target' as 'You must deploy your app first', and 'Created' as '10/26/2022'. The 'Services' section shows 'Cloudant' with links to 'Open dashboard', 'Documentation', and 'API reference', and buttons for 'Connect existing services' and 'Create service'. The 'Deployment Automation' section has a 'Deploy your app' button. A 'Getting started quickly' sidebar on the right lists five steps for configuring the app. An 'Activate Windows' watermark is visible in the bottom right corner.

Resource list / App details /

Node RED QHNJV 2022-10-26 Add tags

Actions...

Details

App URL: You must deploy your app first

Source: Download code

Resource group: Default

Deployment target: You must deploy your app first

Created: 10/26/2022

Services

Cloudant

Open dashboard Documentation API reference

Credentials

Connect existing services Create service

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

Getting started quickly

Configuring your app

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more.](#)
2. If you want to view the code before your app is deployed, click **Download code** to obtain the .zip file.
3. Click **Deploy your app** in the **Deployment Automation** card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.
4. After the deployment begins, you can view the status of the deployment, modify your app, [view your repo](#), or [view the app's URL](#).
5. If you make any changes to your app, be sure to [commit and push](#) the changes.

Activate Windows
Go to Settings to activate Windows

ASK A QUESTION

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

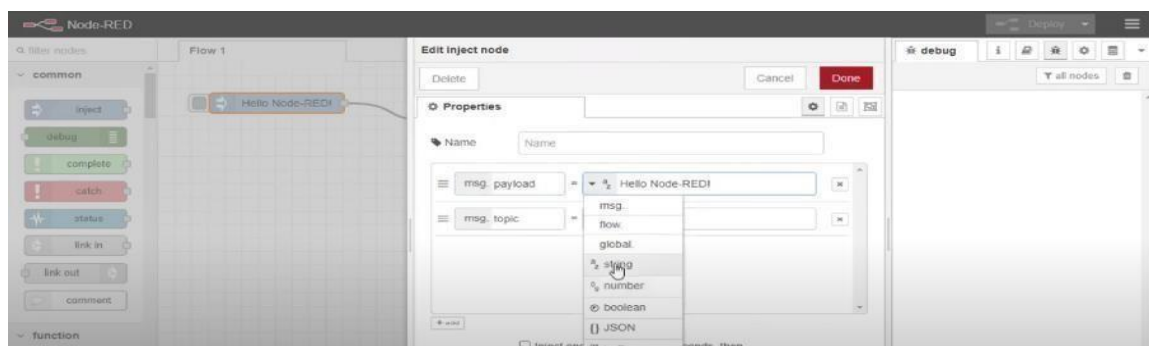
The screenshot shows the IBM Cloud Foundry deployment configuration interface. At the top, there is a notification banner stating "IBM Cloud Foundry Public is deprecated." with a "Learn more" link. Below this, the "IBM Cloud API key" field is visible, followed by a "New" button. The "Number of instances" is set to 1. The "Memory allocation per instance" is shown as a slider from 64 MB to 2000 MB, with a current value of 256 MB. The "Region", "Organization", and "Space" dropdowns are all set to "Region". The "Host" field contains "node-red-ghnv-2022-10-26", and the "Domain" field shows "No domain available". At the bottom, there are "Cancel" and "Next" buttons. On the right side, there is a "Steps" section with two instructions: "1. Select the number of instances, memory allocation, region, org, and space." and "2. Select the domain and provide a host name." An "ASK A QUESTION" button is located on the far right. At the bottom right, there is an "Activate Windows" watermark and a "Go to Settings to activate Windows" link.

Step 5: Successfully deployed the app.

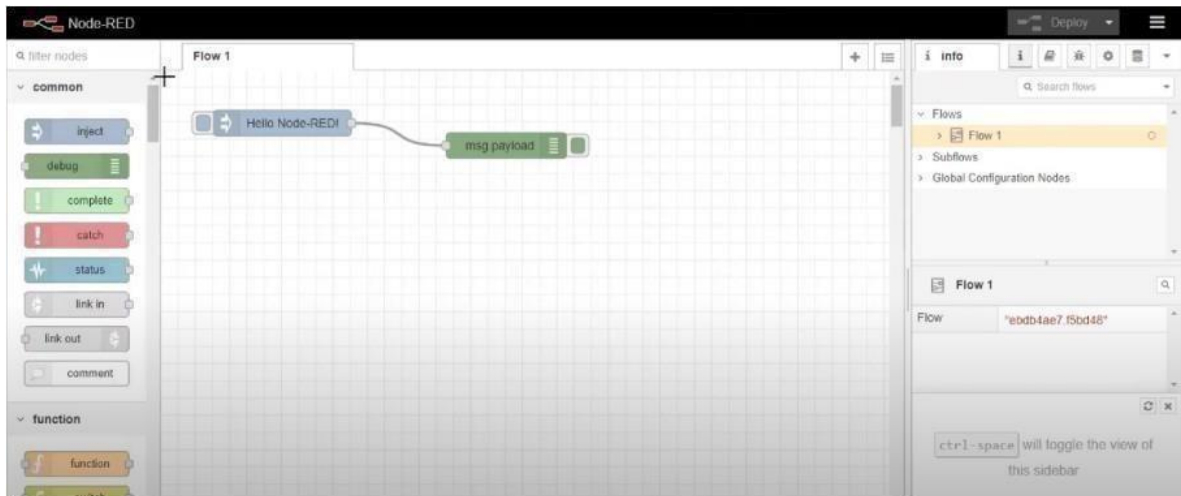
Delivery Pipelines

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.