

Create Node-RED Service

Team ID:	PNT2022TMID06438
Project Name:	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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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 the IBM Cloud Catalog interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog' and 'Manage'. Below this, the breadcrumb 'Catalog / Create app /' is visible, followed by the 'Node-RED' title. The main content area is divided into two tabs: 'About' (selected) and 'Create'. The 'About' tab displays details about the Node-RED starter kit, including its author (IBM), update date (2/11/2020), and type (Starter kit). It also provides links for source code (GitHub), helpful links (Terms, Tutorial), and an overview of the kit's purpose. The overview states that the kit provides a pre-configured Node-RED application with a Cloudant service for configuration storage. A list of benefits includes generating an application with Node-RED, generating files for deployment to Cloud Foundry or DevOps Pipeline, and connecting to provisioned services. A section titled 'What's included?' features a Cloudant service card with 'Free to start' and links to 'View docs' and 'View API reference'. A vertical 'ASK A QUESTION' button is on the right side.

IBM Cloud

Search resources and products...

Catalog Manage

Catalog / Create app /

Node-RED

About Create

Details

Author IBM
Updated 2/11/2020
Type Starter kit

Source code

GitHub

Helpful links

Terms

Tutorial

Overview

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.

This starter kit will help you

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

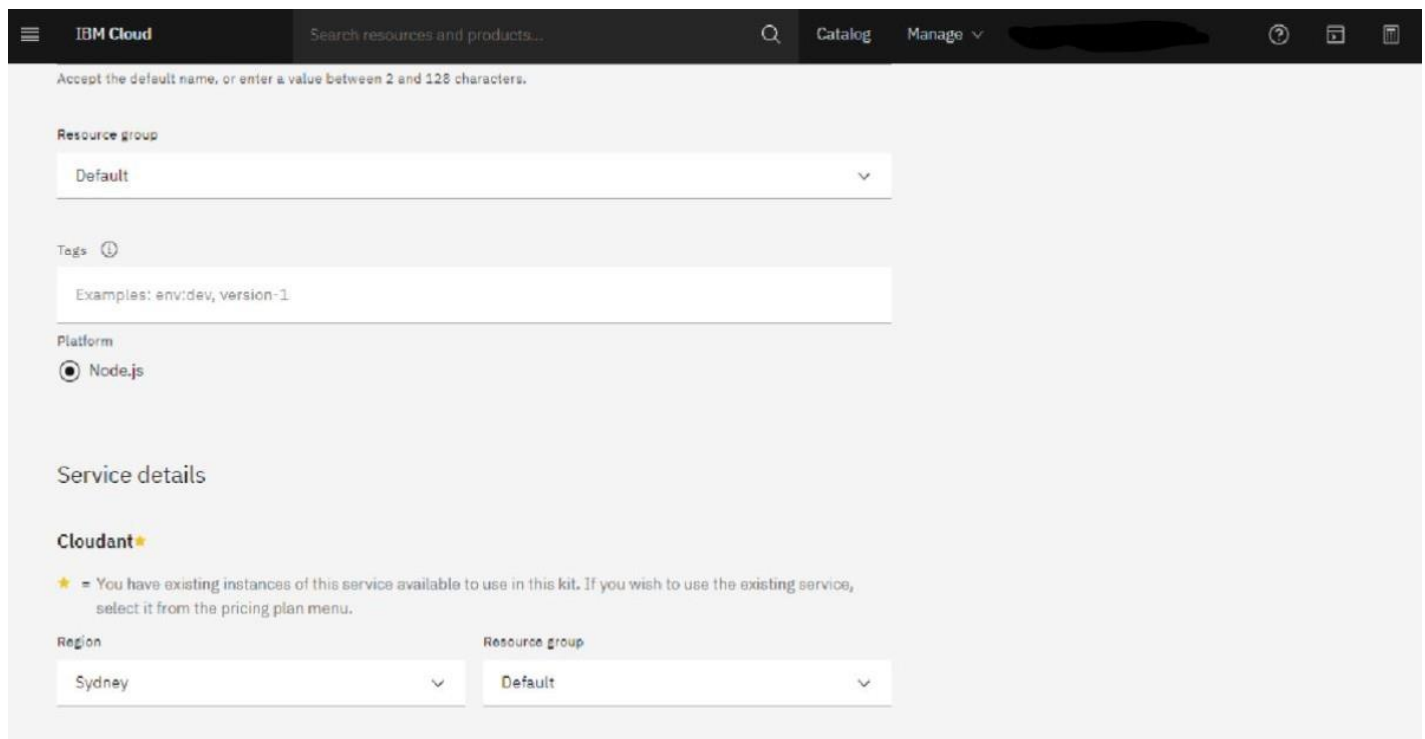
What's included?

Cloudant
Free to start View pricing

View docs View API reference

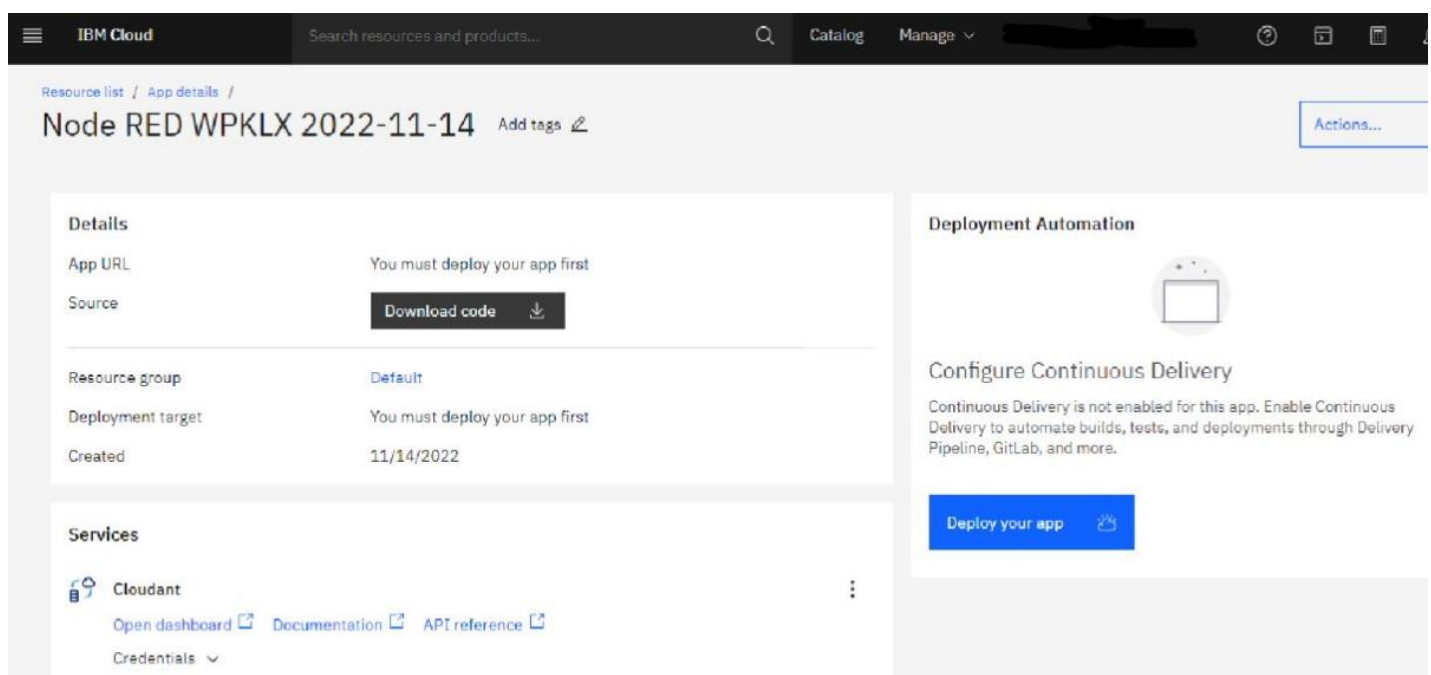
ASK A QUESTION

Step 2: Entered project details and clicked on create



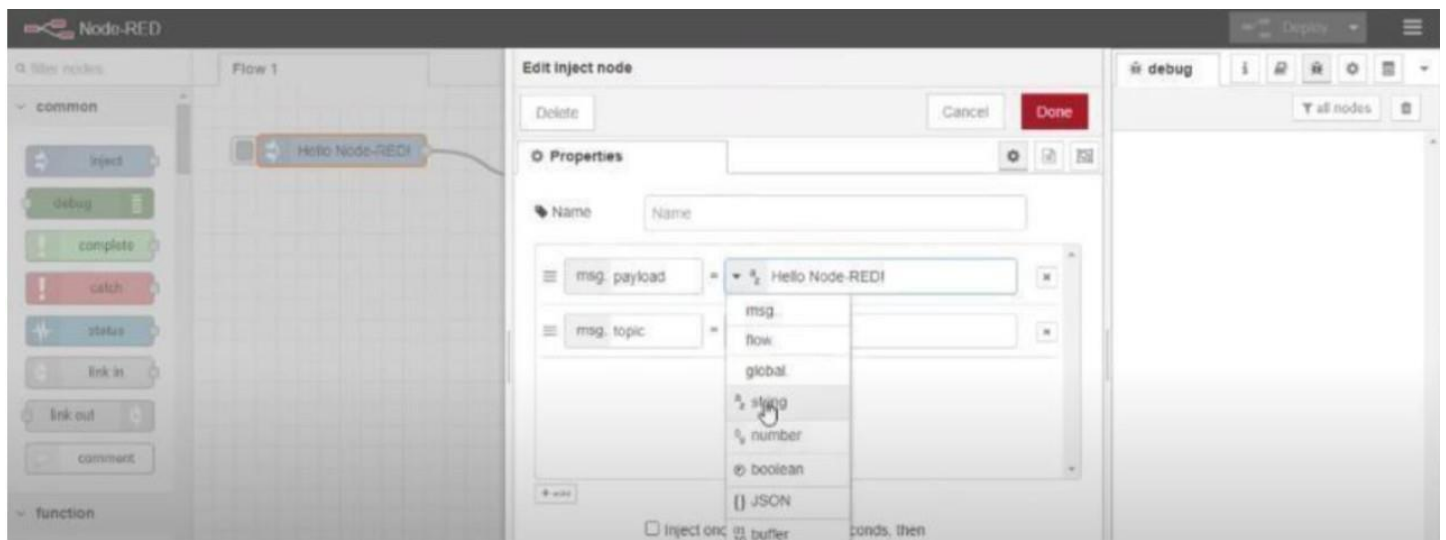
The screenshot shows the IBM Cloud console's 'Create' form. At the top, there's a header with the IBM Cloud logo, a search bar, and navigation links for 'Catalog' and 'Manage'. Below the header, a message states: 'Accept the default name, or enter a value between 2 and 128 characters.' The form includes several sections: 'Resource group' with a dropdown menu set to 'Default'; 'Tags' with a text input field containing 'Examples: env:dev, version-1'; 'Platform' with a radio button selected for 'Node.js'; 'Service details' section featuring the 'Cloudant' service with a star icon and a note: '* = 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.'; and 'Region' and 'Resource group' dropdowns at the bottom, both set to 'Default'.

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



The screenshot displays the IBM Cloud console's 'App details' page for 'Node RED WPKLX 2022-11-14'. The page has a dark header with the IBM Cloud logo, search bar, and navigation links. Below the header, the breadcrumb 'Resource list / App details /' is visible. The main content area is divided into two columns. The left column contains a 'Details' section with fields for 'App URL' (with a message 'You must deploy your app first'), 'Source' (with a 'Download code' button), 'Resource group' (set to 'Default'), 'Deployment target' (with a message 'You must deploy your app first'), and 'Created' (11/14/2022). Below this is a 'Services' section for 'Cloudant' with links for 'Open dashboard', 'Documentation', and 'API reference', and a 'Credentials' dropdown. The right column features a 'Deployment Automation' section with a 'Configure Continuous Delivery' button and a message: '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 of the right column is a large blue button labeled 'Deploy your app' with a play icon.

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

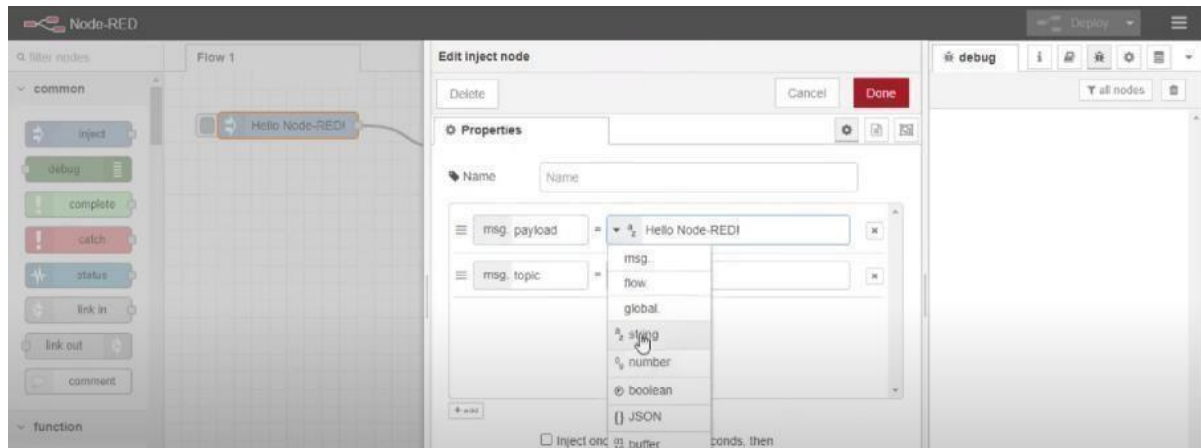


Step 5: Successfully deployed the app.

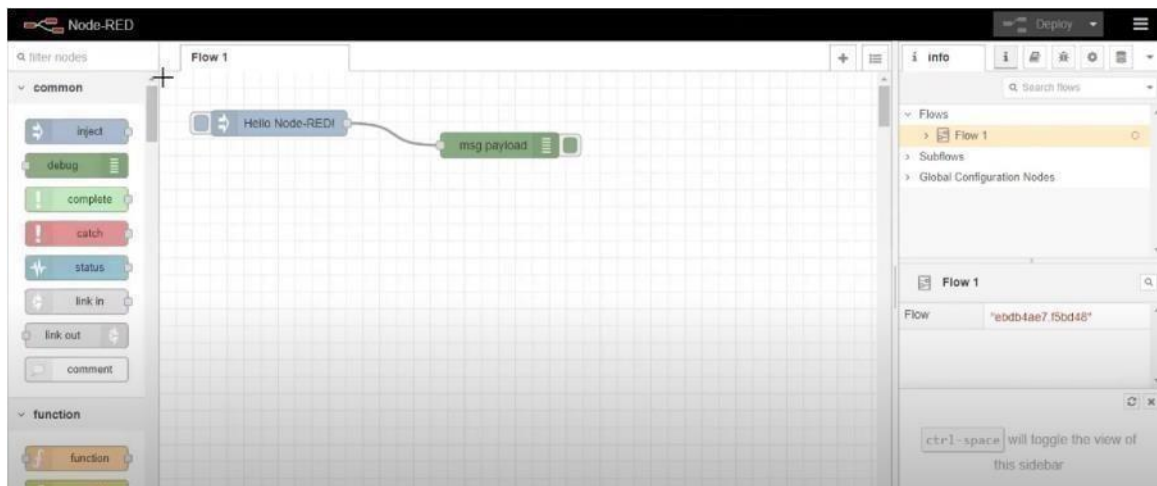
Delivery Pipelines

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.