

Project Development Phase

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

TEAM ID: PNT2022TMID39310

TEAM MEMBERS

| ROLE | TEAM MEMBERS NAME | ROLL NO |
|---------------|-------------------|----------------|
| TEAM LEADER | RUBESH .S | (422619104035) |
| TEAM MEMBER 1 | ABIRAMI .S | (422619104002) |
| TEAM MEMBER 2 | HARITHA .S | (422619104016) |
| TEAM MEMBER 3 | TAMIZHSELVAN .D | (422619104044) |

Project Development - Delivery Of Sprint-2

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--|--------------------------|---|---------------------|-----------------|------------------------|
| Sprint-2 | Create And Cofigure IBM Cloud Services | USN- 3 | Create IBM Watson IoT Platform And Device | 7 | High | S.Rubesh |
| Sprint-2 | Create And Cofigure IBM Cloud Services | USN- 4 | Create Node-RED Service | 7 | High | S.Abirami S.Haritha |
| Sprint-2 | Create And Cofigure IBM Cloud Services | USN-5 | Create A Database In Cloudant DB | 6 | High | D.Tamizhselvan |

Delivery

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |

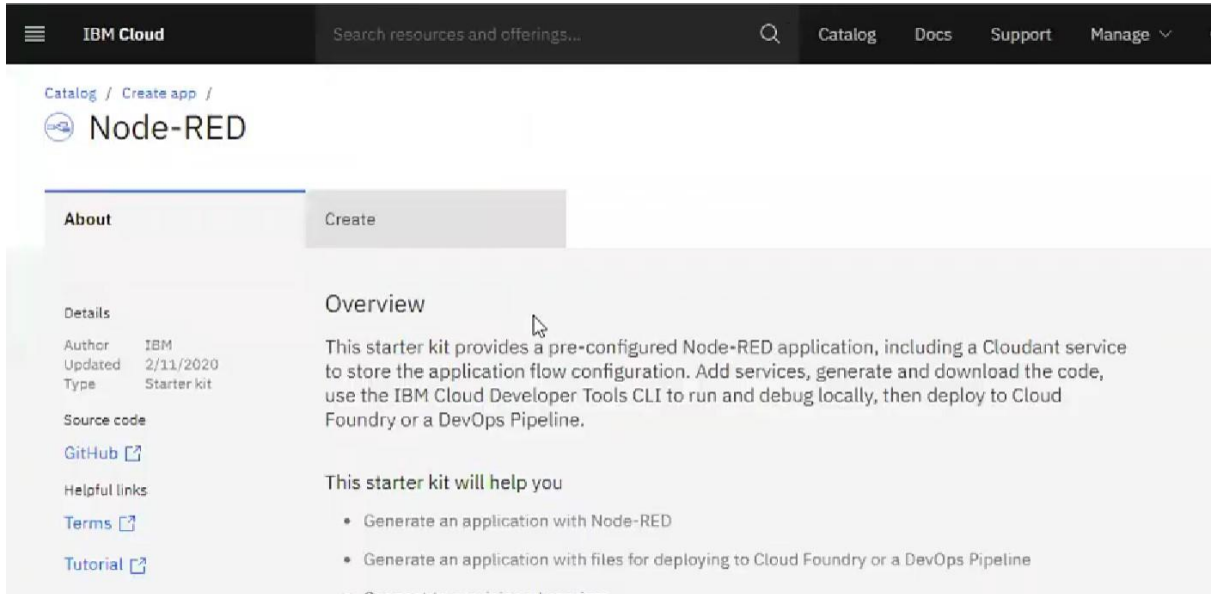
Create Node-RED Service

Task Assigned: S.Abirami,S.Haritha

Task Started On: 01 Nov 2022

Task Completion Date: 03 Nov 2022

 **Navigated to the App creation page**



IBM Cloud Search resources and offerings... Catalog Docs Support 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

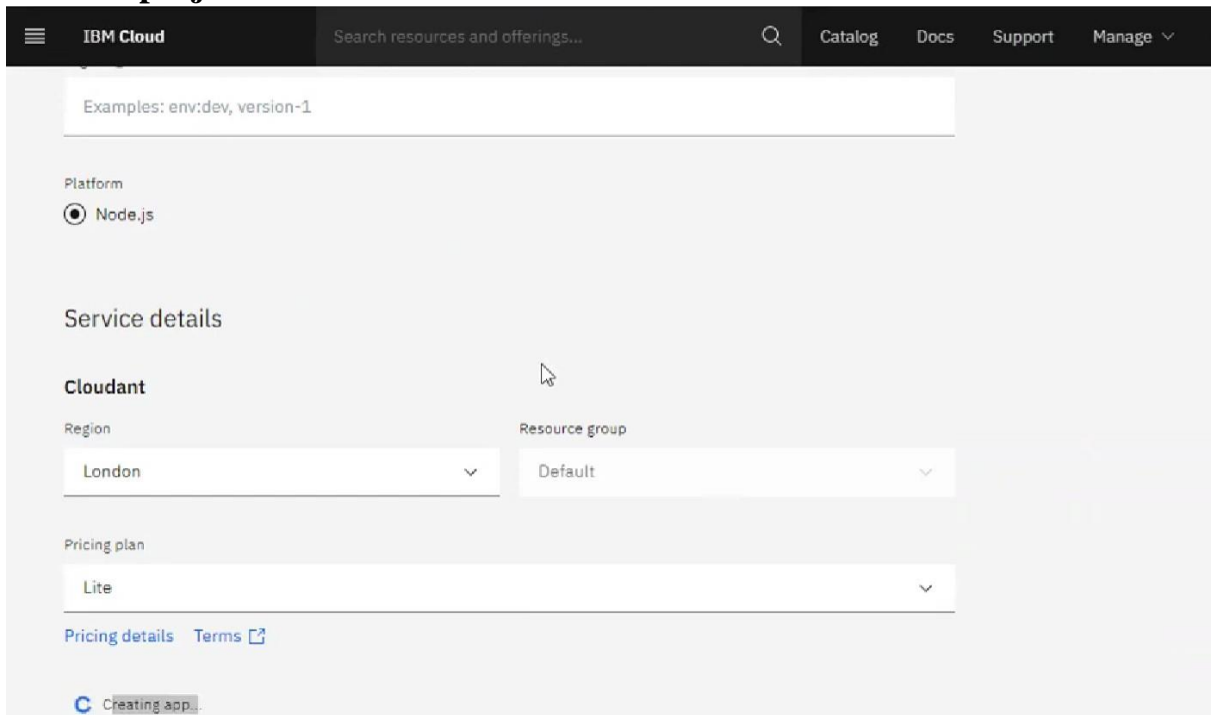
Overview

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

 **Entered project details and clicked on create**



IBM Cloud Search resources and offerings... Catalog Docs Support Manage

Examples: env:dev, version-1

Platform

☒ Node.js

Service details

Cloudant

Region

London

Resource group

Default

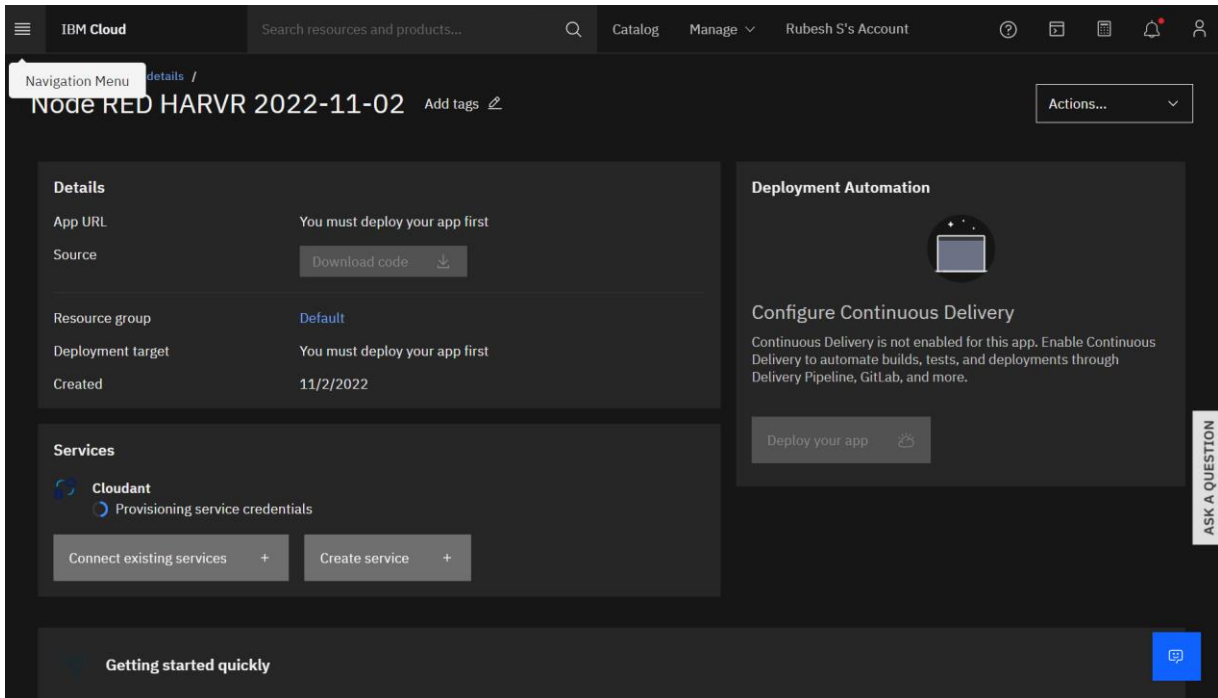
Pricing plan

Lite

Pricing details Terms

Creating app...

Clicking on the “Deploy your App” Button



The screenshot shows the IBM Cloud console interface for an application named "Node RED HARVR 2022-11-02". The top navigation bar includes the IBM Cloud logo, a search bar, and user account information. The main content area is divided into two columns. The left column contains a "Details" section with fields for App URL, Source, Resource group, Deployment target, and Created date. The right column contains a "Deployment Automation" section with a "Deploy your app" button. A "Navigation Menu" tooltip is visible on the left, and an "ASK A QUESTION" button is on the right.

Navigation Menu details /

Node RED HARVR 2022-11-02

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: 11/2/2022

Services

Cloudant

Provisioning service credentials

Connect existing services + Create service +

Deployment Automation

Configure Continuous Delivery

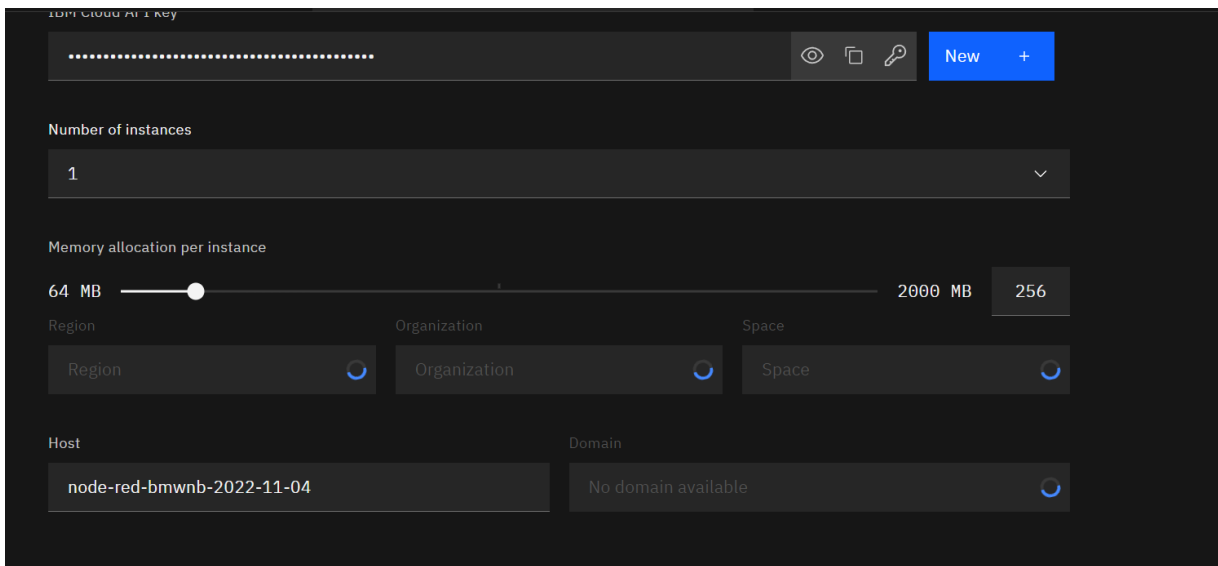
Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

ASK A QUESTION

Getting started quickly

Setting up the environment and deploying the app



The screenshot shows the IBM Cloud console interface for the "New" button. The top navigation bar includes the IBM Cloud logo, a search bar, and user account information. The main content area is divided into two columns. The left column contains a "Number of instances" section with a dropdown menu set to 1. The right column contains a "Memory allocation per instance" section with a slider bar set to 256 MB. Below these sections are fields for Region, Organization, Space, Host, and Domain.

IBM Cloud API Key

.....

Number of instances

1

Memory allocation per instance

64 MB 2000 MB 256

Region Organization Space

Region Organization Space

Host Domain

node-red-bmwmb-2022-11-04 No domain available

Successfully deployed the app

Resource list / App details /

Node RED BMWNB 2022-11-04 [Add tags](#)


Details

| | |
|--|--|
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| | |


Deployment Automation

| | |
|--|--|
| | |
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| | |

Services

 **Cloudant** [Open dashboard](#) [Documentation](#) [API reference](#)

[Credentials](#)


 **Success!**
Your DevOps toolchain is created
11/4/2022, 12:38:15 PM

Node RED BMWNB 2022-11-04 [Add tags](#)

Details




| | |
|-------------------|---|
| App URL | You must deploy your app first |
| Source | https://us-south.git.cloud.ibm.com/422619104032/NodeRED... |
| Resource group | Default |
| Deployment target | You must deploy your app first |
| Created | 11/4/2022 |

Services



 **Cloudant** [Open dashboard](#) [Documentation](#) [API reference](#)

[Credentials](#)

Deployment Automation

| | |
|-------------------|---|
| Name | NodeREDBMWNB2022-11-04 |
| Location | Dallas |
| Tool integrations |    |

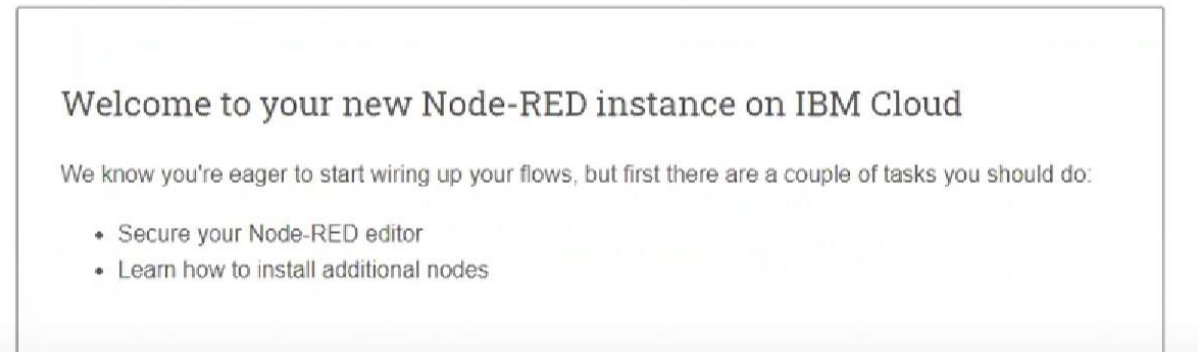
Delivery Pipelines

| | |
|--------|--|
| Name | pr-pipeline |
| Status |  No stages detected |
| Name | ci-pipeline |
| Status |  No stages detected |

Delivery Pipelines

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

Welcomed by the instance editor



Setting up credentials

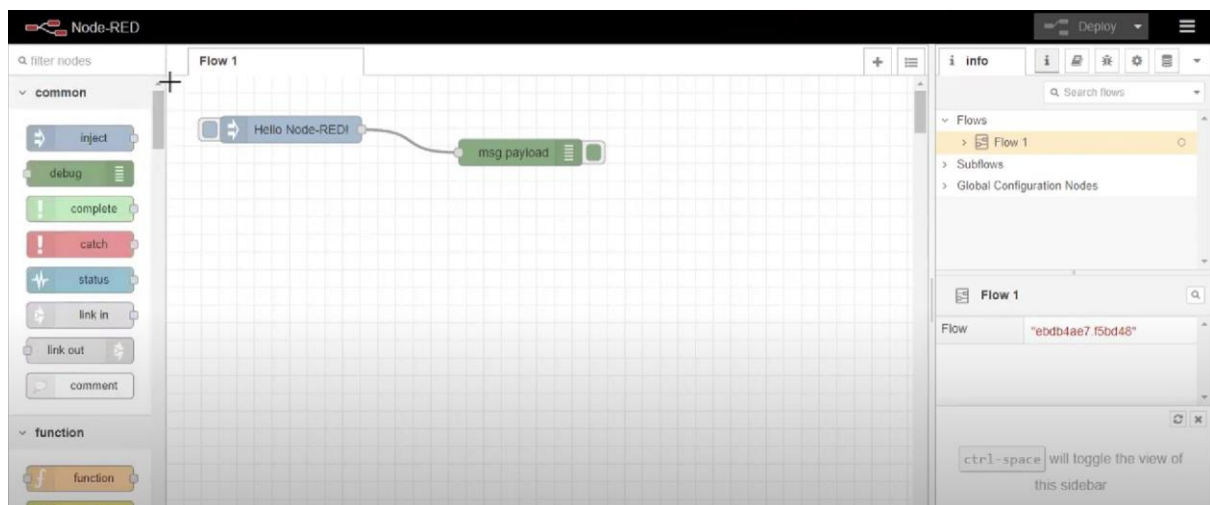
☐ Secure your editor so only authorised users can access it

☒ *Not recommended:* Allow anyone to access the editor and make changes

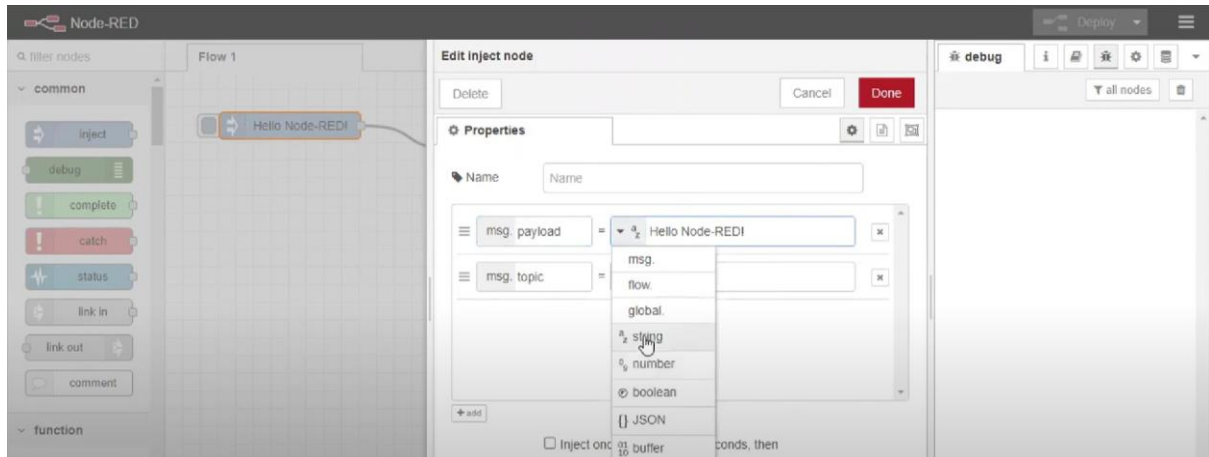
Your editor will not be secured. Anyone with the URL will be able to access your flows, data and bound services.

☒ Tick this box to confirm you want your editor to be insecure

Dragged and dropped components into the editor



✚ Editing some values of the properties



✚ Successfully deployed the app



✚ Successfully created a NodeRED service on IBM Cloud