

Create Node-RED Service

Date	12 NOVEMBER 2022
Team ID	PNT2022TMID26511
Project Name	Industry-Specific Intelligent Fire Management System

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 'Create app' page for Node-RED. The browser address bar shows the URL: cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account 'Bala sona B's Account'. The main content area is titled 'Node-RED' and has two tabs: 'About' and 'Create'. The 'Create' tab is active, showing the 'App details' section. This section includes a text input for 'App name' with the value 'Node RED UWRPN 2022-11-12', a dropdown for 'Resource group' set to 'Default', a 'Tags' input field with examples 'env:dev, version-1', and a 'Platform' section with 'Node.js' selected. A 'Service details' section is partially visible at the bottom. A vertical 'ASK A QUESTION' button is on the right side. The Windows taskbar at the bottom shows the date as 12-11-2022 and the time as 17:13.

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

Brown Purple Beige...

IBM Cloud Search resources and products...

Catalog Manage Bala sona B's Account

Catalog / Create app /

Node-RED

About Create

App details

App name

Node RED UWRPN 2022-11-12

Accept the default name, or enter a value between 2 and 128 characters.

Resource group

Default

Tags ⓘ

Examples: env:dev, version-1

Platform

☒ Node.js

Service details

ASK A QUESTION

27°C Mostly sunny 17:13 12-11-2022

Step 2: Entered project details and clicked on create

IBM Cloud Foundry Public is deprecated. [Learn more](#)

IBM Cloud API key
..... [New](#)

Number of Instances
1

Memory allocation per Instance
64 MB 2000 MB 256

Region: London Organization: Sona22 Space: sona22

Host: node-red-uwrpn-2022-11-12 Domain: eu-gb.mybluemix.net

[Cancel](#) [Next](#)

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

Resource list / App details /
Node RED UWRPN 2022-11-12 [Add tags](#)

[Actions...](#)

Details

App URL: You must deploy your app first
Source: <https://eu-gb.git.cloud.ibm.com/211719106007/NodeREDUW...>
Resource group: Default
Deployment target: You must deploy your app first
Created: 11/12/2022

Services

Cloudant
[Open dashboard](#) [Documentation](#) [API reference](#)
Credentials
[Connect existing services](#) [Create service](#)

Deployment Automation

Name: NodeREDUWRPN2022-11-12
Location: London
Tool integrations:

Delivery Pipelines

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

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.

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

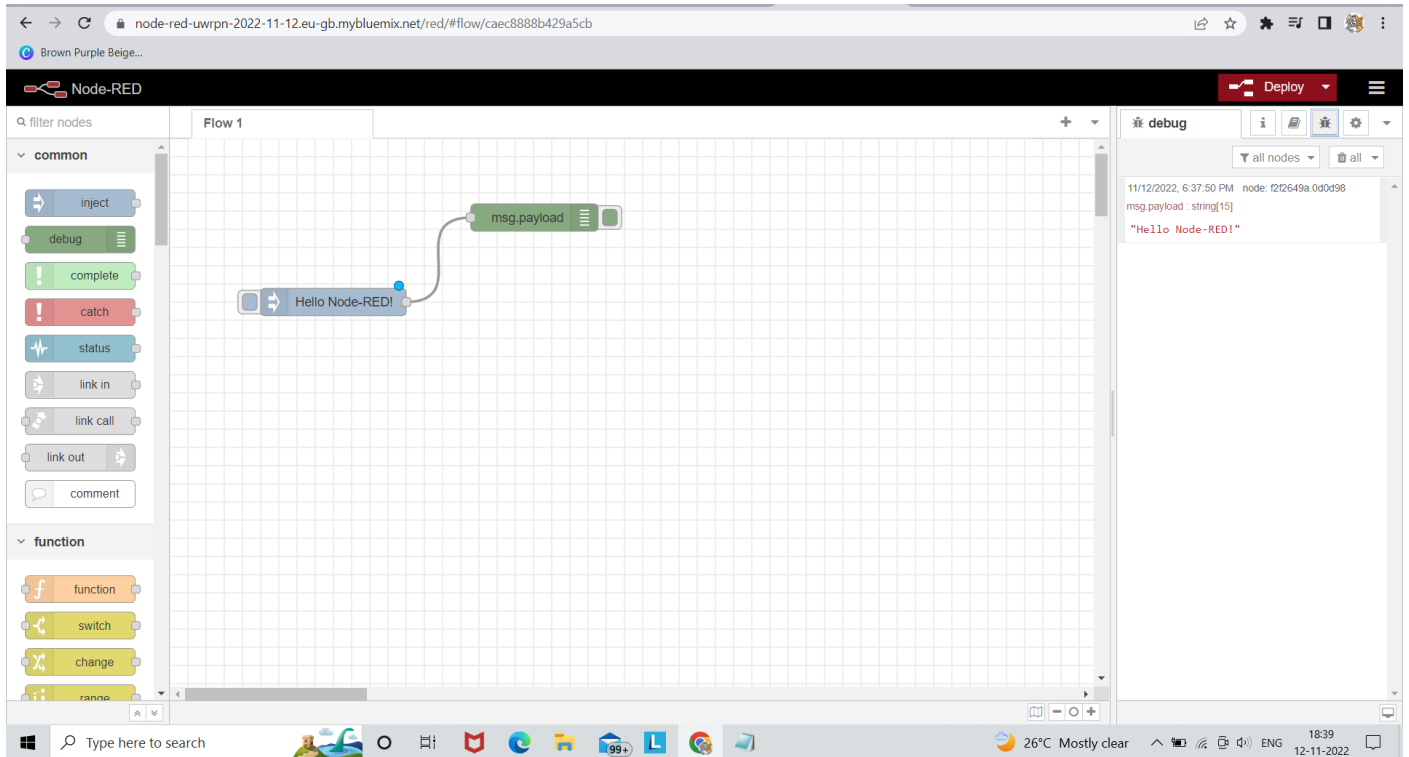
The screenshot displays the IBM Cloud Developer console for an application named 'Node RED UWRPN 2022-11-12'. The interface is divided into several sections:

- Details:** Shows the App URL (<https://node-red-uwrpn-2022-11-12.eu-gb.mybluemix.net>), Source (<https://eu-gb.git.cloud.ibm.com/211719106007/NodeREDUW...>), Resource group (Default), Deployment target (Node RED UWRPN 2022-11-12), and Created date (11/12/2022).
- Services:** Lists 'Cloudant' as a connected service. It includes links for 'Open dashboard', 'Documentation', and 'API reference', along with a 'Credentials' dropdown and buttons for 'Connect existing services' and 'Create service'.
- Deployment Automation:** Displays two pipelines:
 - pr-pipeline:** Status is 'No stages detected'.
 - ci-pipeline:** Status is 'Success'.
- Getting started quickly:** A sidebar on the right with a 'Configuring your app' section. It provides instructions on how to connect services and DevOps toolchains, including steps for using the 'Services' card, downloading code, and deploying the app.

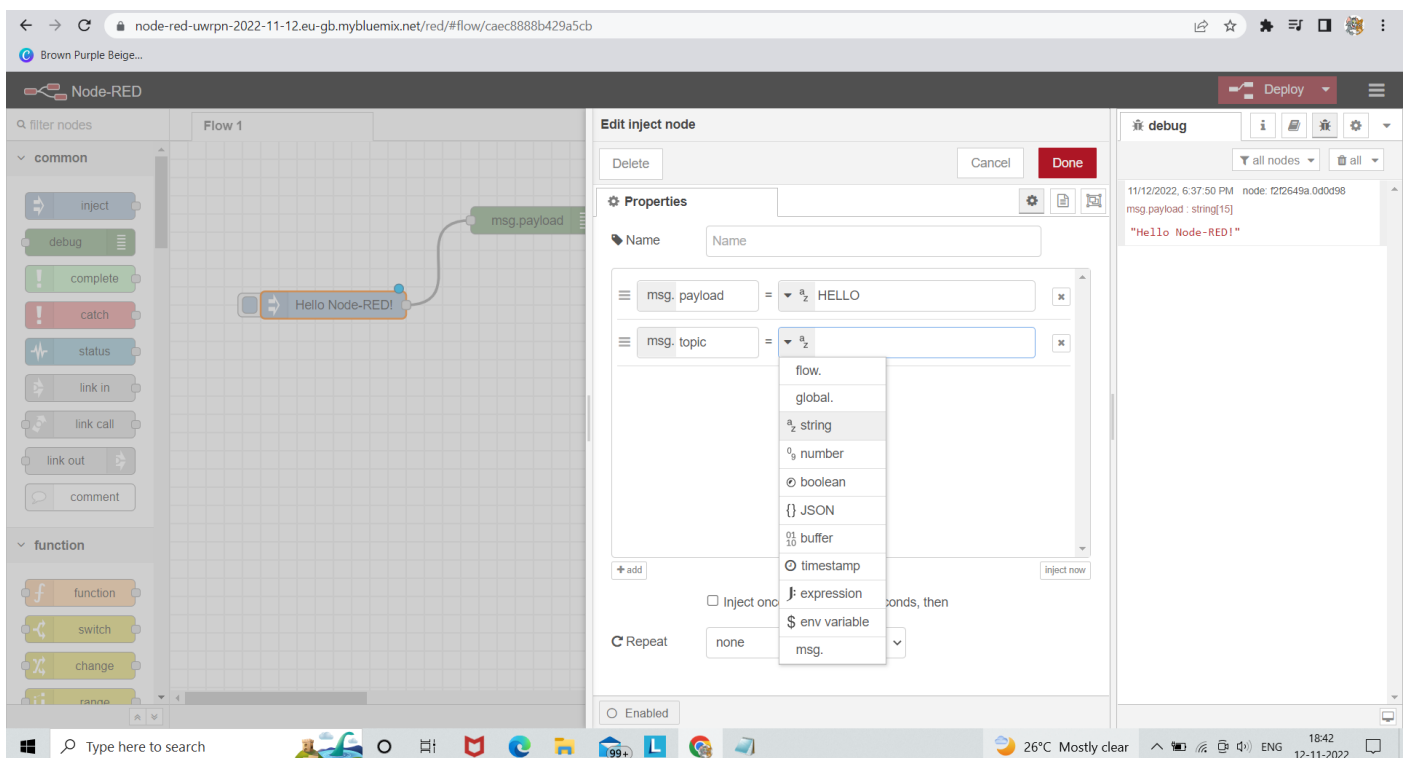
Step 5: Successfully deployed the app

This screenshot is identical to the one in Step 4, showing the IBM Cloud Developer console for the 'Node RED UWRPN 2022-11-12' application. The 'ci-pipeline' status remains 'Success', indicating the app has been successfully deployed. The interface elements, including the Details, Services, Deployment Automation, and Getting started quickly sidebar, are consistent with the previous step.

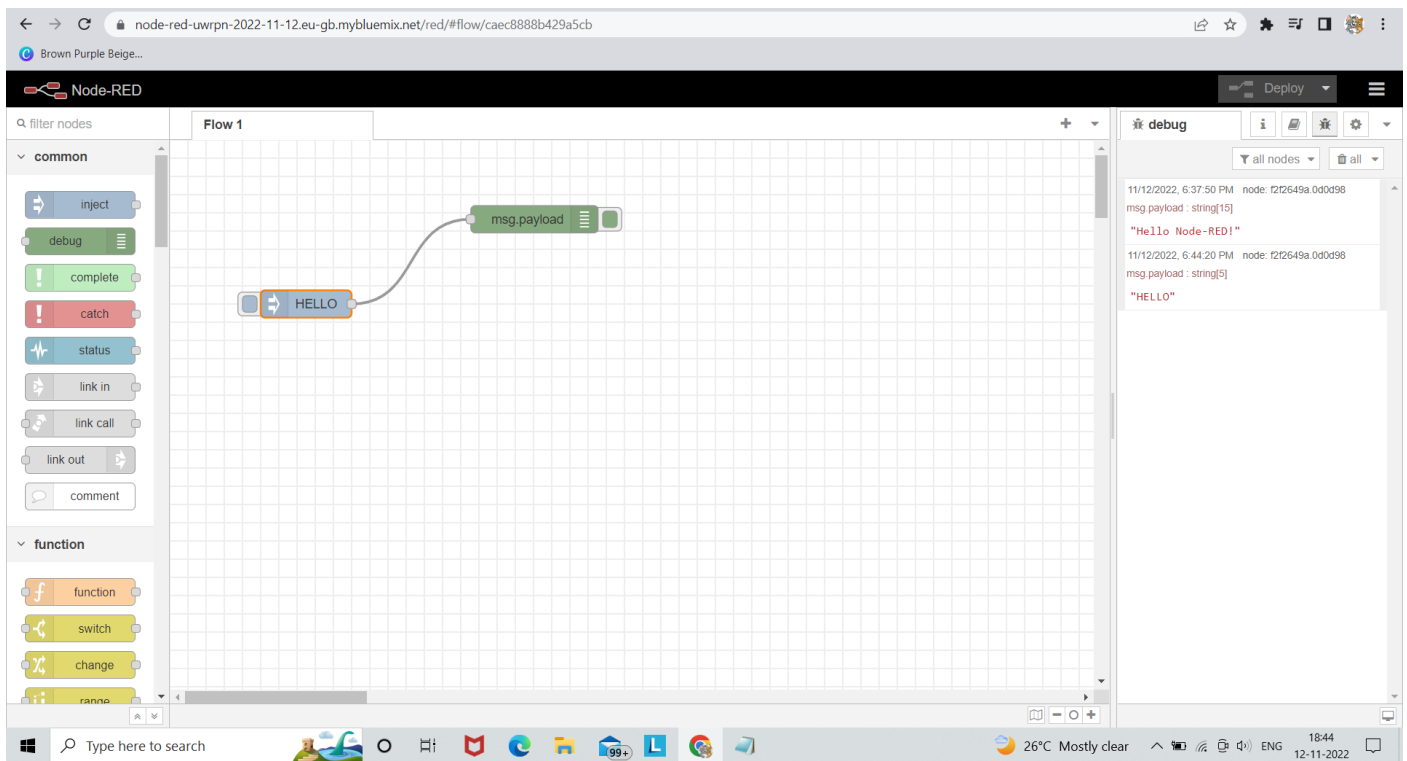
Step 6: Dragged and dropped components into the editor.



Step 7: Editing some values of the properties.



Step 8: Successfully deployed the app.



Result:

Successfully created a Node RED service on IBM Cloud.