

## Create Node-RED Service

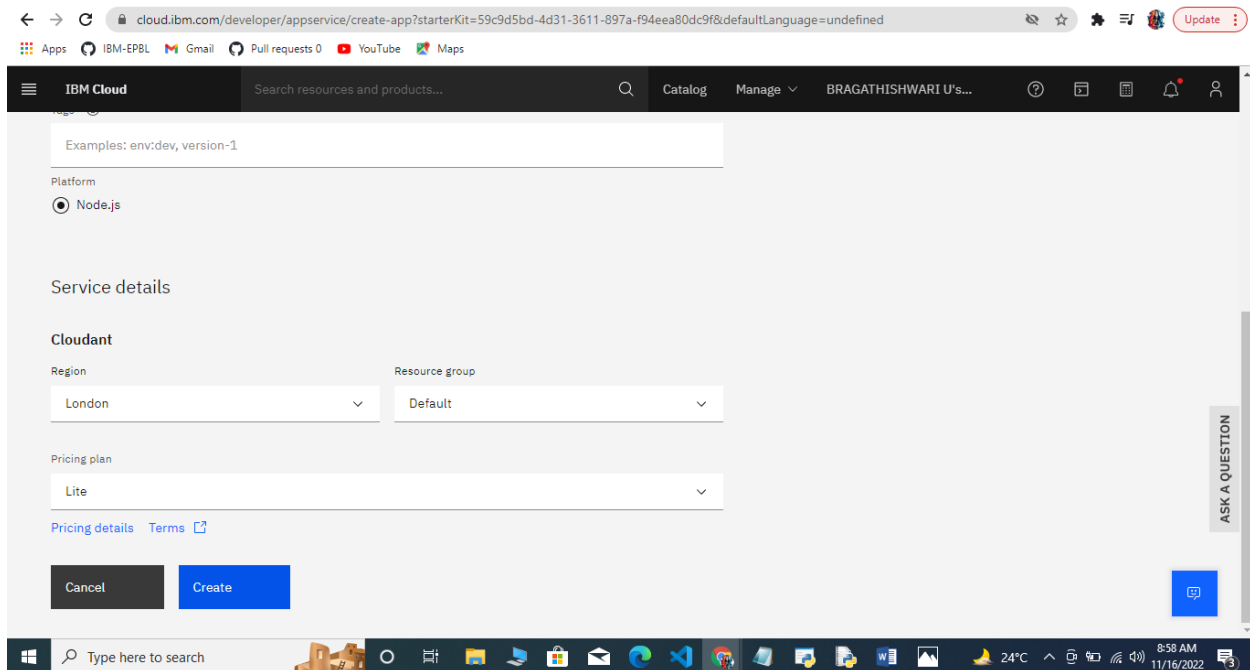
Team ID	PNT2022TMID46404
Project Name	Smart Farmer - IOT Enabled Smart Farming Application

**Step 1:** Login to IBM Cloud and click Catalog and type Node-red in search bar and select the required app and it shows overview page .In that click “Get started”.

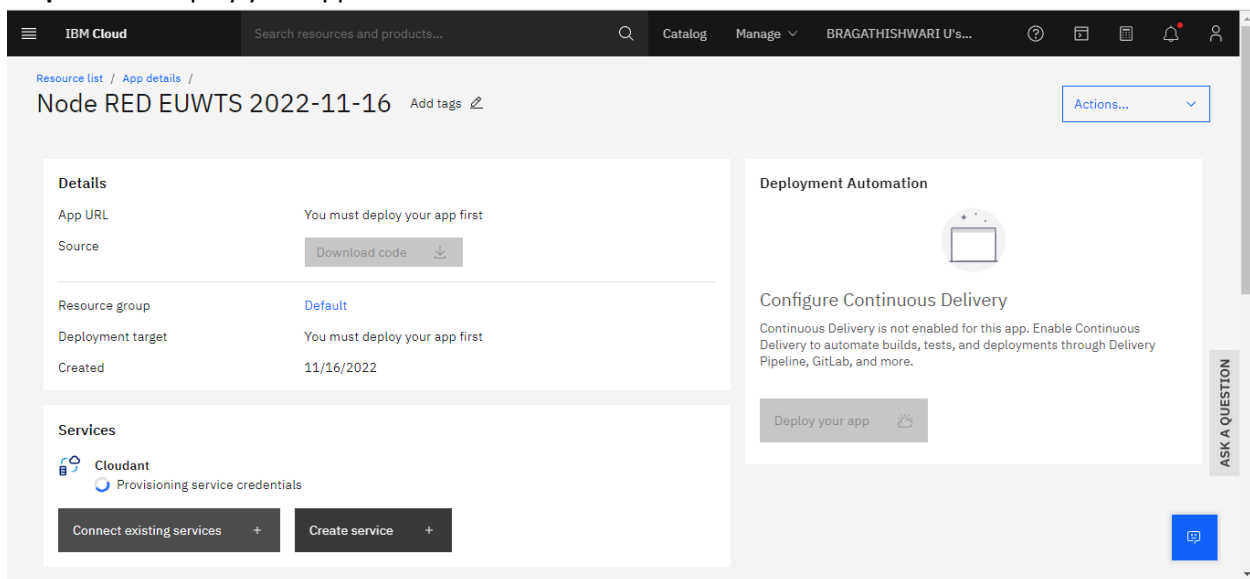
The screenshot shows the IBM Cloud Developer Catalog page for the Node-RED starter kit. The browser address bar shows the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user profile (BRAGATHISHWARI U's...). The main content area is divided into two columns. The left column contains details about the starter kit, including the author (IBM), updated date (2/10/2020), type (Starter kit), source code (GitHub), helpful links (Terms, Tutorial), and a 'Get started' button. The right column contains an overview of the starter kit, stating it provides a pre-configured Node-RED application with a Cloudant service. It lists three benefits: generating an application with Node-RED, generating an application with files for deploying to Cloud Foundry or a DevOps Pipeline, and connecting to provisioned services. A 'What's included?' section lists Cloudant as a free-to-start service, with links to view docs and API reference. A 'Get started' button is located at the bottom right of the main content area.

**Step 2:** Click Create.

The screenshot shows the IBM Cloud Developer Catalog 'Create' page for the Node-RED app. 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 profile (BRAGATHISHWARI U's...). The main content area is divided into two columns. The left column contains details about the app, including the author (IBM), updated date (2/10/2020), type (Starter kit), source code (GitHub), helpful links (Terms, Tutorial), and a 'Get started' button. The right column contains the 'Create' form. The form has two tabs: 'About' and 'Create'. The 'Create' tab is active. The form fields include: App name (Node RED EUWTS 2022-11-16), Resource group (Default), Tags (Examples: env:dev, version-1), and Platform (Node.js). A 'Get started' button is located at the bottom right of the main content area.



### Step 3: Click deploy your app.



## Step 4: Choose Cloud Foundry and click on Create.org

Deployment Automation

Select your deployment target and configure your DevOps toolchain. After you click **Create**, the toolchain is created, and the deployment process is started automatically.

Deployment target

- Kubernetes Service**  
IBM  
Deploy, scale, and manage your containerized application workloads to highly available clusters.
- Red Hat OpenShift**  
IBM  
Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.
- Cloud Foundry**  
IBM  
Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.
- Code Engine**  
IBM  
Run your app, job, or container on a managed serverless platform. Auto scale.

<https://cloud.ibm.com/account/cloud-foundry>

**Getting started with apps**

**Step 1. Select the deployment target**  
Select your deployment target, and then provide the configuration information.

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

Before you begin

- If your account doesn't have a Cloud Foundry org, you must create one.  
[Create.org](#)

Steps

- Select the number of instances, memory allocation, region, org, and space.
- Select the domain and provide a host name.

[ASK A QUESTION](#)

## Step 5: Create Cloud Foundry orgs.

Cloud Foundry Orgs

IBM Cloud Foundry Public is being deprecated. Please see [full details](#).

Name	Date Created	Spaces	Roles	Actions
Bragathishwari u	11/15/2022	1	Manager	

[Create](#)

## Step 6: Click Create

Resource list / App details /

### Node RED EUWTS 2022-11-16

Select the deployment target | Configure the DevOps toolchain

Configure the DevOps toolchain

Give your toolchain a name and select the region to create your toolchain in.

DevOps toolchain name

NodeREDEUWTS2022-11-16

Accept the default name, or enter a value up to 100 characters.

Region

London

[Back](#) [Create](#)

**Getting started with apps**

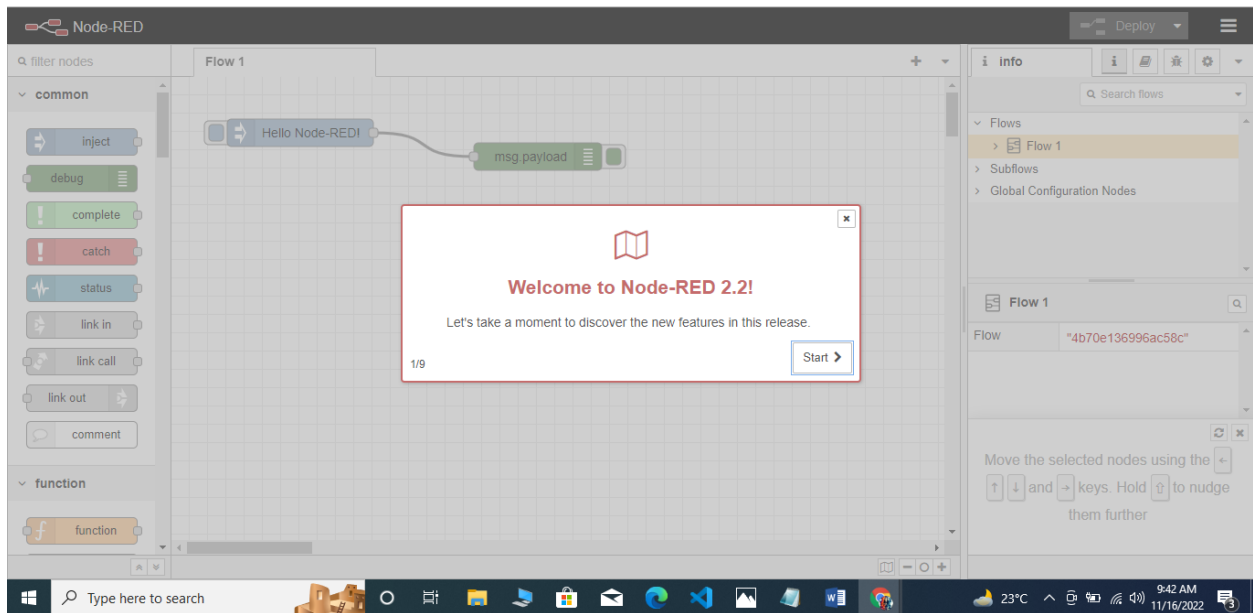
[ASK A QUESTION](#)



We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:

- Secure your Node-RED editor
- Learn how to install additional nodes

## Step 8: Click Start.



## Step 9: Node-RED is Created.

