

# Create Node-RED Service

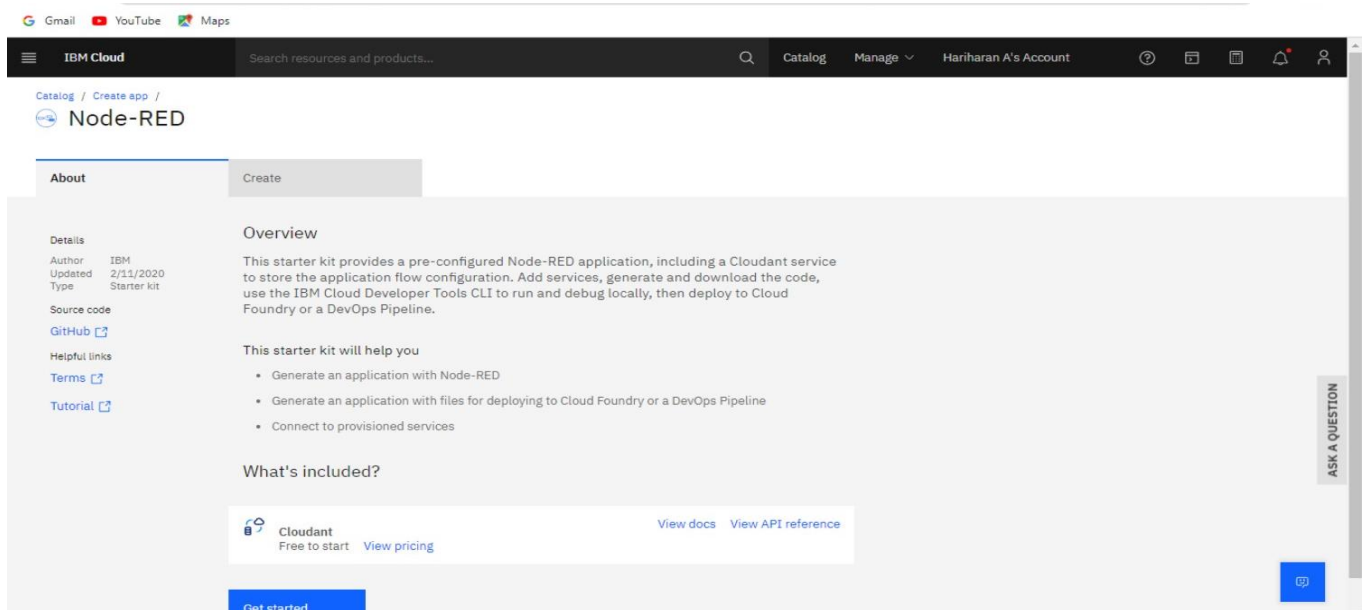
Date	16 NOVEMBER 2022
Team ID	PNT2022TMID26485
Project Name	IOT Based Real – time River Water Quality Monitoring and Control System

## 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

The screenshot shows the IBM Cloud 'Create' form for a Node.js service. The form includes fields for 'Tags' (with examples like 'env:dev, version-1'), 'Platform' (set to 'Node.js'), 'Service details' (Cloudant), 'Region' (Chennai), 'Resource group' (Default), and 'Pricing plan' (node-red-fihqb-2022--cloudant-1667484526201). There are 'Cancel' and 'Create' buttons at the bottom.

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

The screenshot shows the IBM Cloud 'App details' page for a Node RED HPZOE 2022-11-15. The page includes a 'Details' section with fields for 'App URL', 'Source', 'Resource group', 'Deployment target', and 'Created'. It also features a 'Services' section with a 'Cloudant' service and a 'Deployment Automation' section with 'pr-pipeline' and 'ci-pipeline' entries. A 'Getting started quickly' sidebar on the right provides instructions for configuring the app and deploying it. The 'Deploy your app' button is highlighted in the sidebar.

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

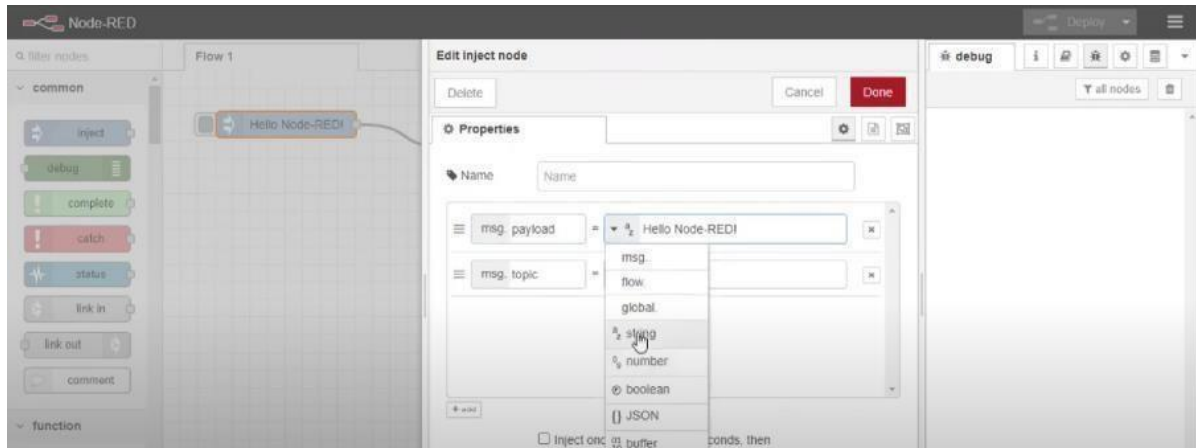
The screenshot shows the IBM Cloud Foundry Public console interface. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and user information for 'guruprasad v's Account'. A notification banner states 'IBM Cloud Foundry Public is deprecated'. The main form is for creating a new application. It includes fields for 'IBM Cloud API key', 'Number of instances' (set to 1), 'Memory allocation per instance' (a slider from 64 MB to 2000 MB, currently at 256 MB), 'Region' (London), 'Organization' (ibmriver), 'Space' (ibmriver), 'Host' (node-red-hpzo-2022-11-15), and 'Domain' (eu-gb.mybluemix.net). A 'Before you begin' sidebar on the right provides instructions: 'If your account doesn't have a Cloud Foundry org, you must create one. Create org.' and 'Steps: 1. Select the number of instances, memory allocation, region, org, and space. 2. Select the domain and provide a host name.' The bottom of the form has 'Cancel' and 'Next' buttons. The Windows taskbar at the bottom shows the date as 16-11-2022 and time as 10:49.

## Step 5: Successfully deployed the app.

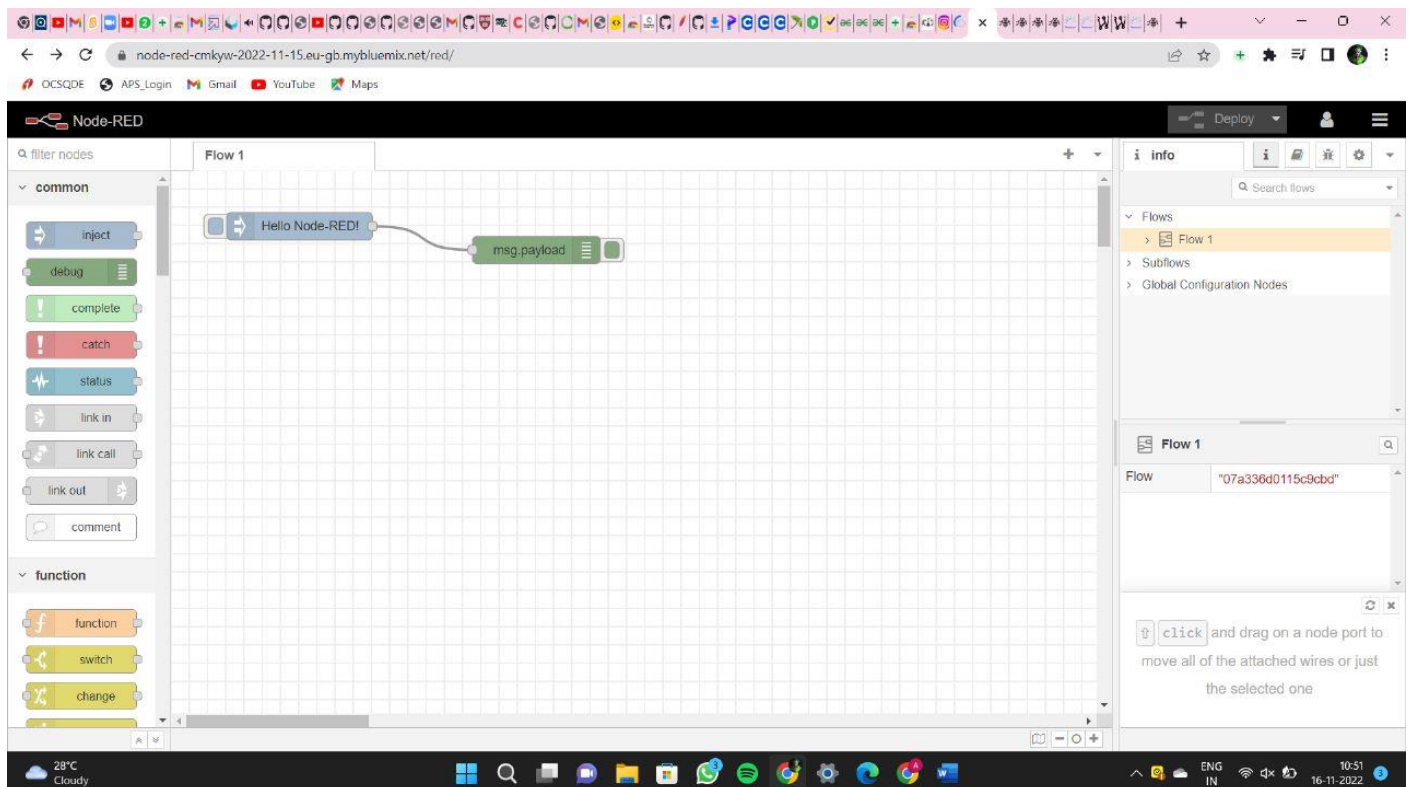
### Delivery Pipelines

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.