

Create And Configure IBM Cloud Service

Create Node-RED Service

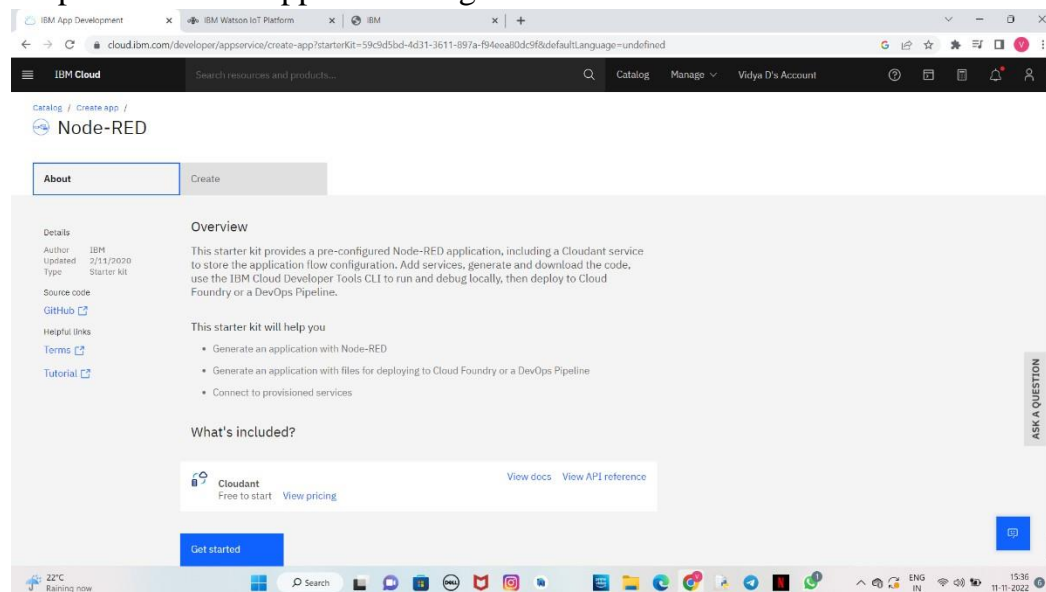
Date	17 November 2022
Team ID	PNT2022TMID42908
Project Name	IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	4 Marks

AIM

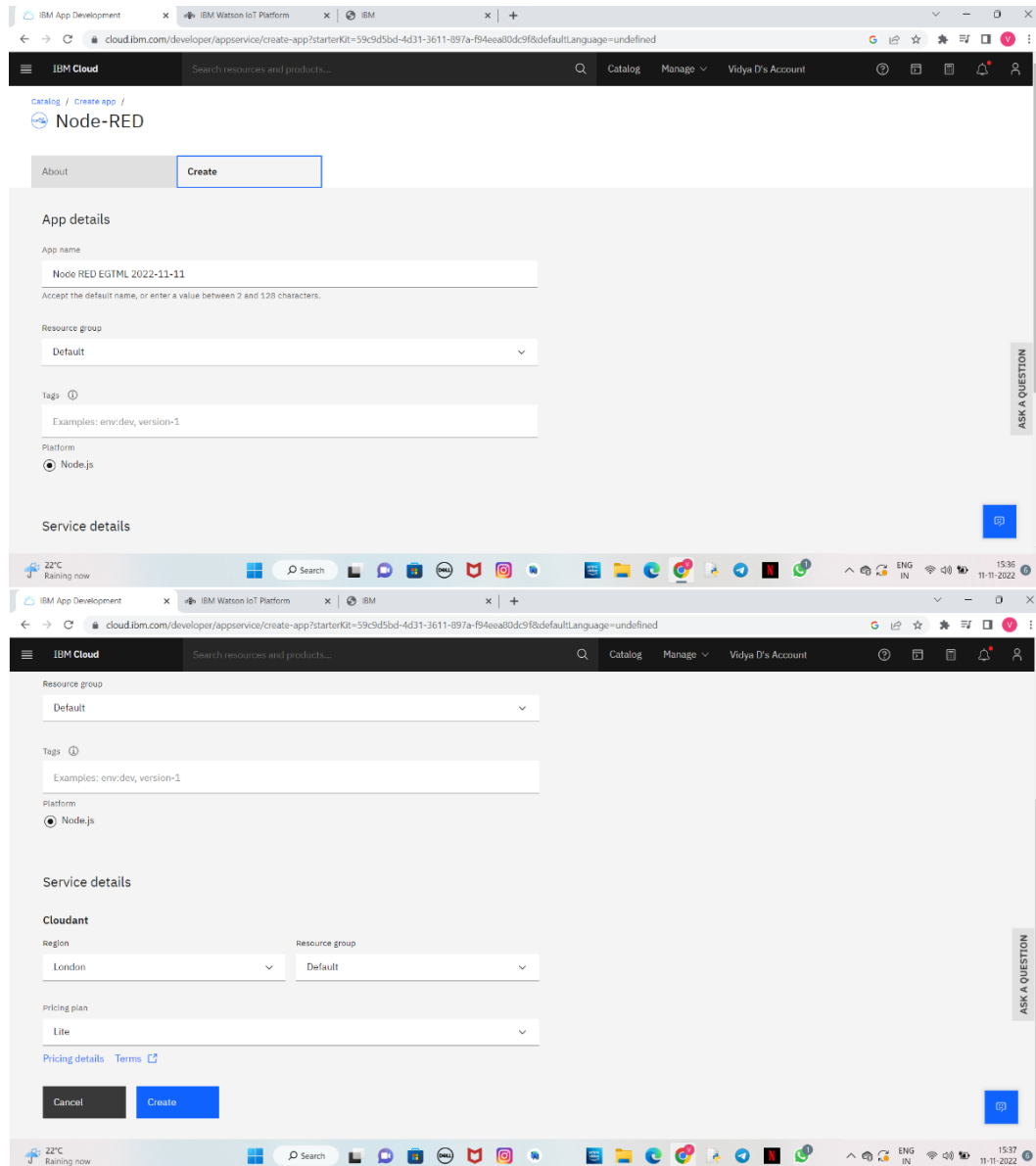
To Create Node-RED service.

STEPS

- 1.Login to IBM Cloud with smart internz mail ID and Password.
- 2.Go to Catalog and Search for Node-red App in the search bar.
- 3.Open Node-red App and click get start.



4. In next page click create.



5. Click Deploy your app and it come to the next page and select cloud foundry.

The image consists of two screenshots of the IBM Cloud Developer console, illustrating the steps to set up deployment automation for a Node RED application.

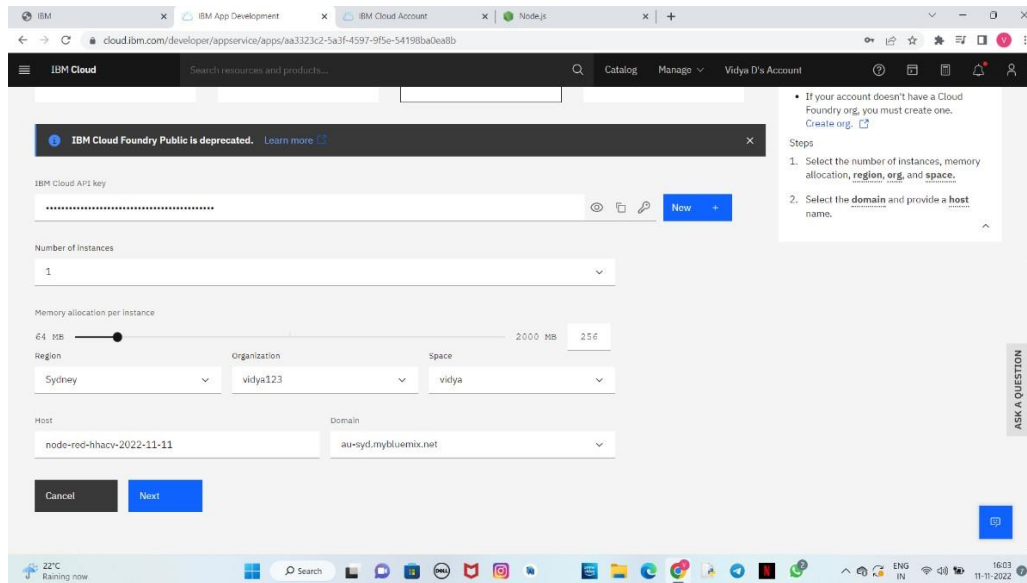
Top Screenshot: Node RED EGTML 2022-11-11 App Details

- Details:** App URL (You must deploy your app first), Source (Download code), Resource group (Default), Deployment target (You must deploy your app first), Created (11/11/2022).
- Services:** Cloudant (Open dashboard, Documentation, API reference, 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 button).
- 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. 5. If you make any changes to your app, be).

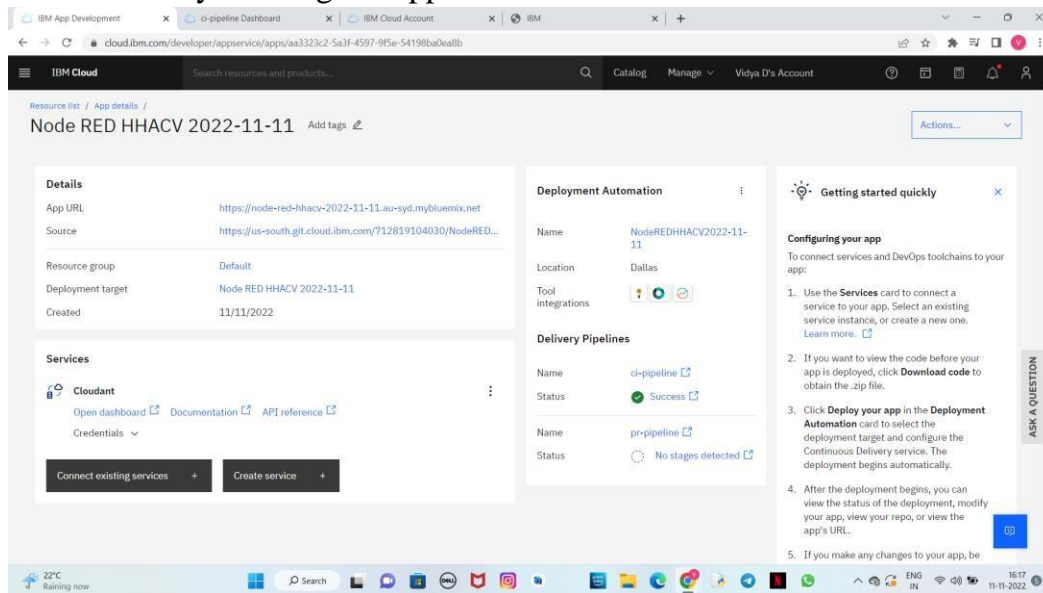
Bottom Screenshot: Deployment Automation Configuration

- Deployment target:** 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 options:** Kubernetes Service, Red Hat OpenShift, Cloud Foundry (selected), Code Engine.
- IBM Cloud Foundry Public is deprecated.** Learn more.
- IBM Cloud API key:** shE2_8F-ik4z03G8YDUXFvU3y02D0eXYpvmTWaj (New button).
- Number of instances:** 1.
- Step 1. Select the deployment target:** Select your deployment target, and then provide the configuration information. IBM 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: 1. Select the number of instances, memory allocation, region, org, and space. 2. Select the domain and provide a host name.

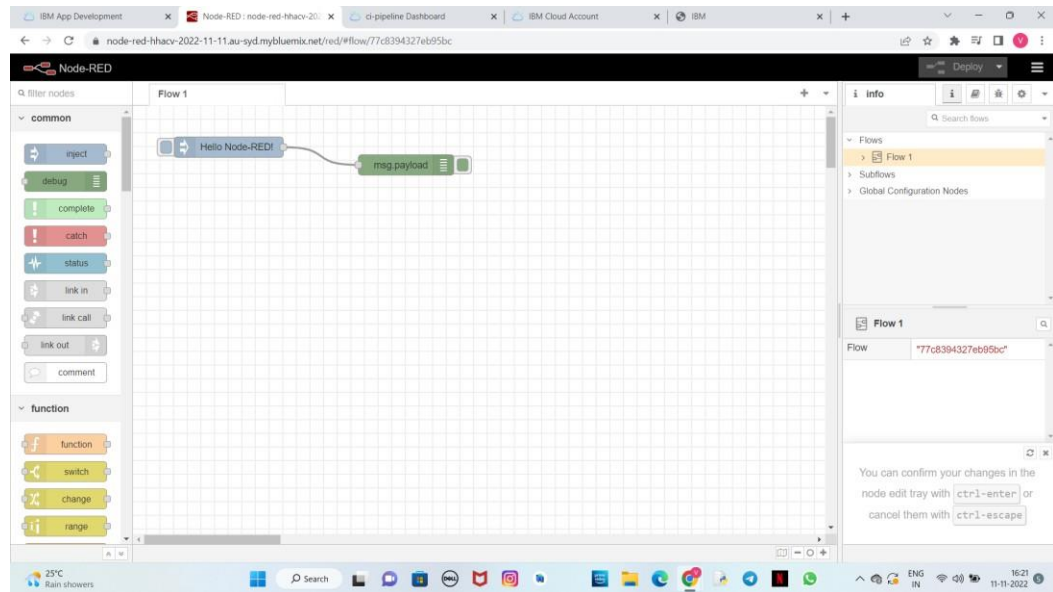
6. Setting up the environment and deploying the app.



7. Successfully creating the app.



And it's work Successfully



RESULT:

Successfully created the Node-RED service.