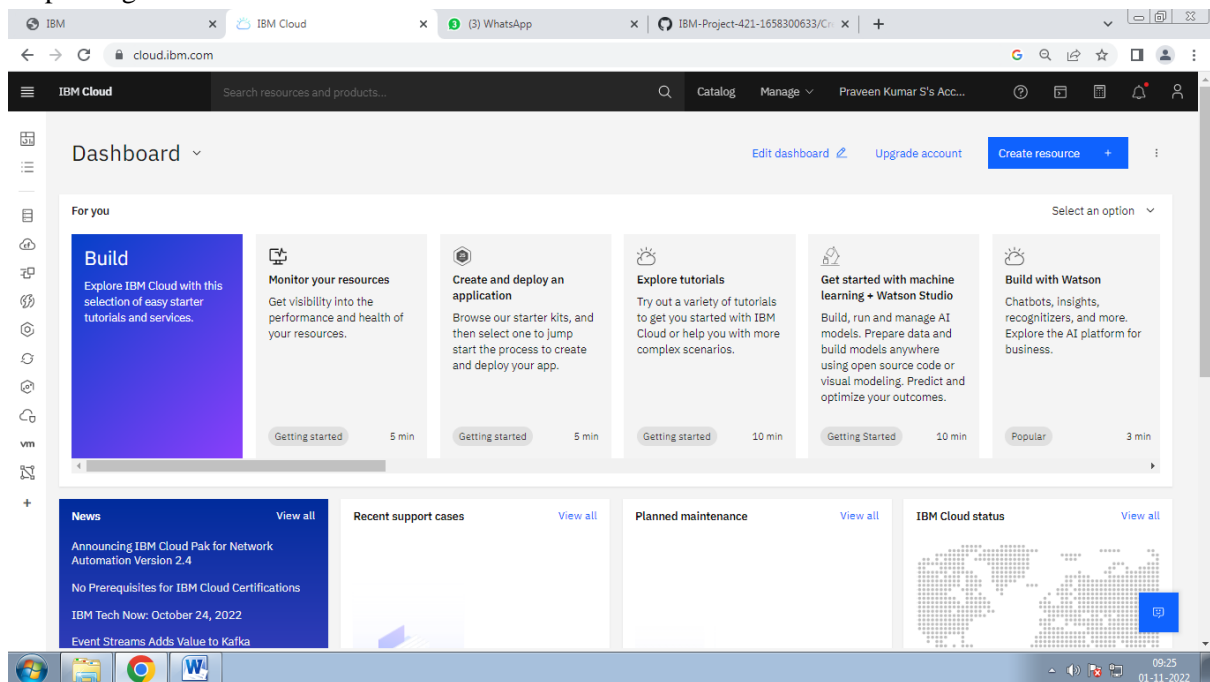


Create Node-Red Service

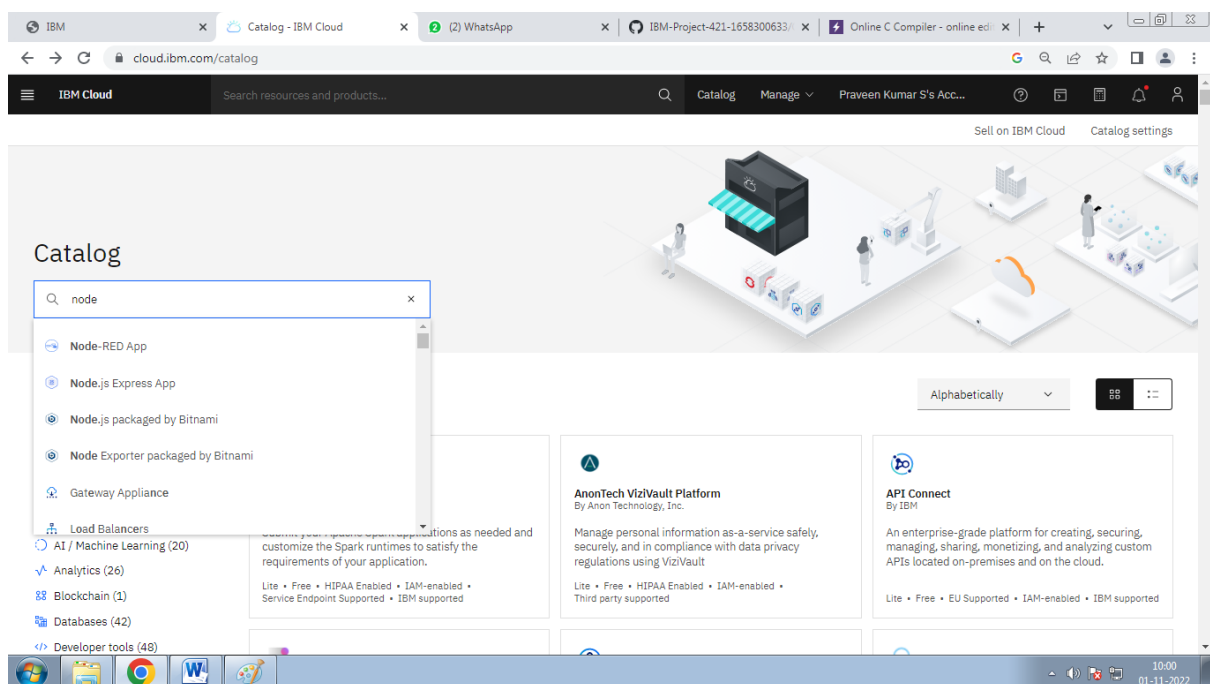
Date	21.10.2022
Team ID	PNT2022TMID40851
Project Name	IoT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

Aim: To Create a web application create a Node-Red Service

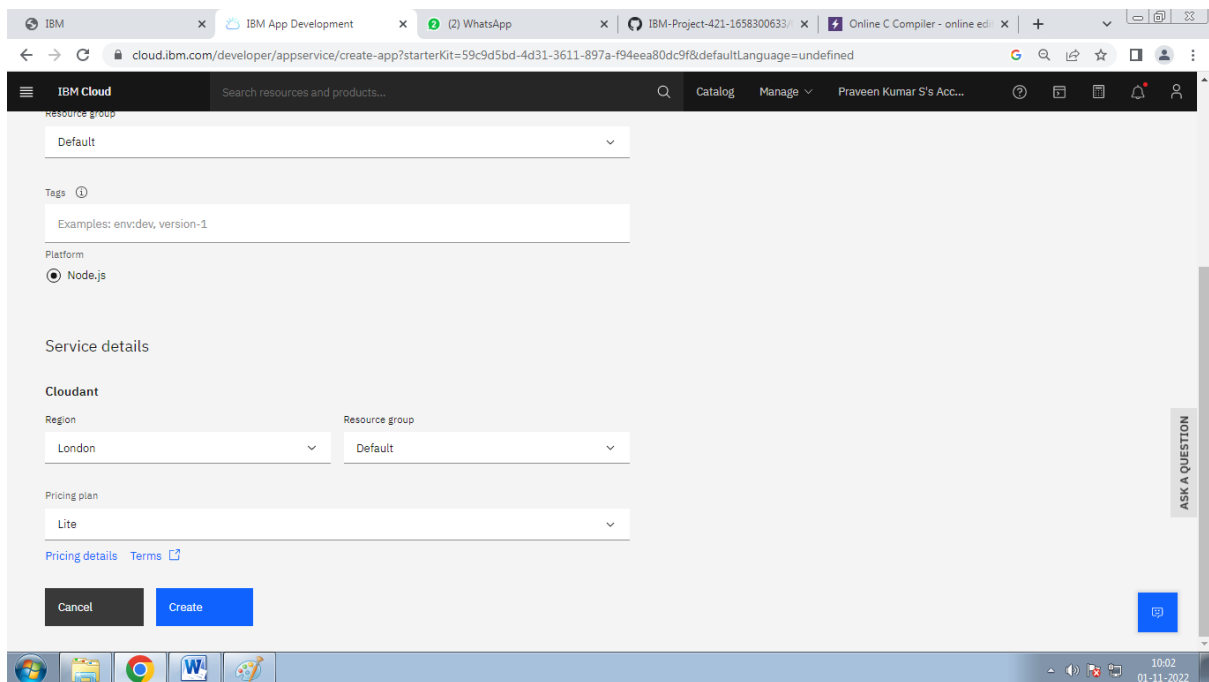
Step 1.Log-in IBM Cloud Account



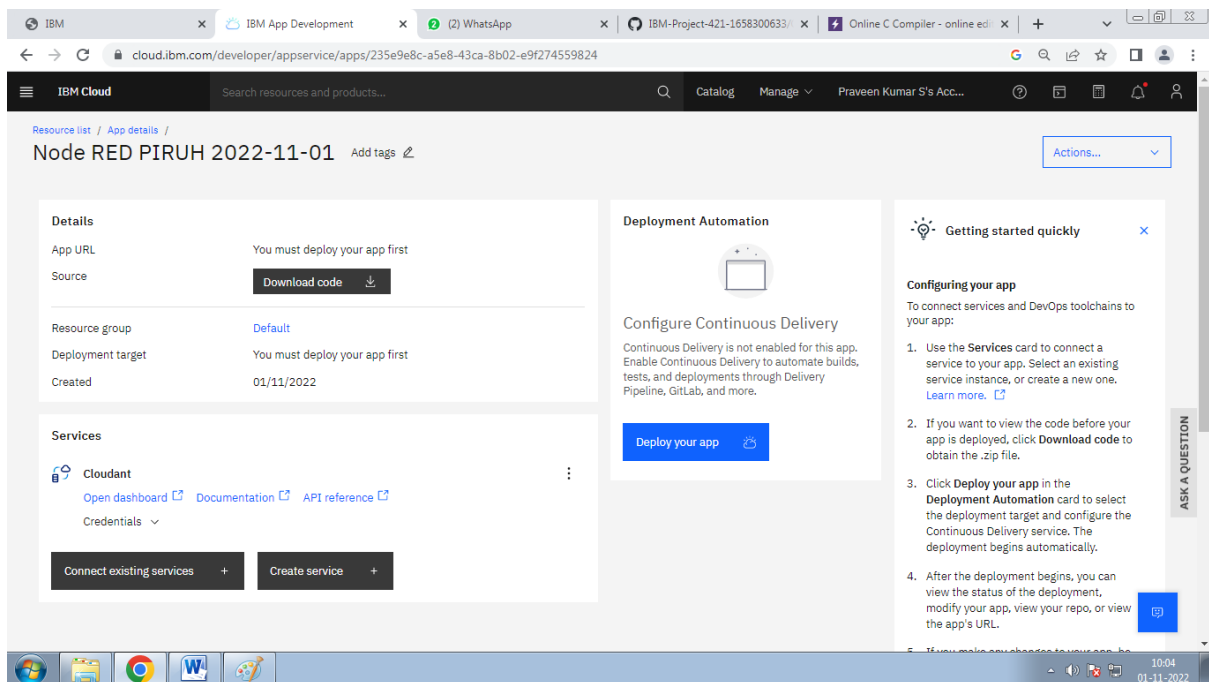
Step 2.Go to catalog and search Node-Red



Step 3. Create Node-Red



Step 4. Click "Deploy your App" Button



Step 5. Click “Cloud foundry” button

The screenshot shows the IBM Cloud Developer console interface. The browser tabs include IBM, IBM App Development, WhatsApp, IBM-Project-421-1658300633, and Online C Compiler. The URL is cloud.ibm.com/developer/appservice/apps/Sf39d344-5658-4240-abd8-e4df0c78d52e. The page title is "Node RED EBBYF 2022-11-01". The navigation bar shows "Resource list / App details /". The main content area has a progress bar with two steps: "Select the deployment target" (active) and "Configure the DevOps toolchain". Below the progress bar, the "Deployment Automation" section explains that selecting a deployment target and configuring the DevOps toolchain will start the deployment process automatically. The "Deployment target" section displays four options: Kubernetes Service, Red Hat OpenShift, Cloud Foundry (selected), and Code Engine. The "Cloud Foundry" option is highlighted with a blue border. To the right, the "Getting started with apps" section provides instructions for Step 1: "Select the deployment target". It explains that Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) and provides a list of steps to follow, including creating an org if one doesn't exist.

Resource list / App details /

Node RED EBBYF 2022-11-01

Select the deployment target | Configure the DevOps toolchain

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

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**.

Step 6. Home page of the Node-Red

The screenshot shows the Node-RED on IBM Cloud home page. The browser tabs include IBM, Application Details - IBM, Node-RED on IBM Cloud, WhatsApp, IBM-Project-421-16583, and Online C Compiler. The URL is node-red-kwavy-2022-10-08.au-syd.mybluemix.net. The page has a dark red header with the text "Node-RED on IBM Cloud". Below the header, the main content area features the "Node-RED" logo and the tagline "Flow-based programming for the Internet of Things". The page provides information about Node-RED as a programming tool for wiring together hardware devices, APIs and online services. It states that this instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform. A button labeled "Go to your Node-RED flow editor" is prominently displayed. Below the button, there is a link to "Learn how to customise Node-RED". At the bottom, there is a link to "More information about Node-RED, including documentation, can be found at [nodered.org](#)".

Node-RED on IBM Cloud

Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

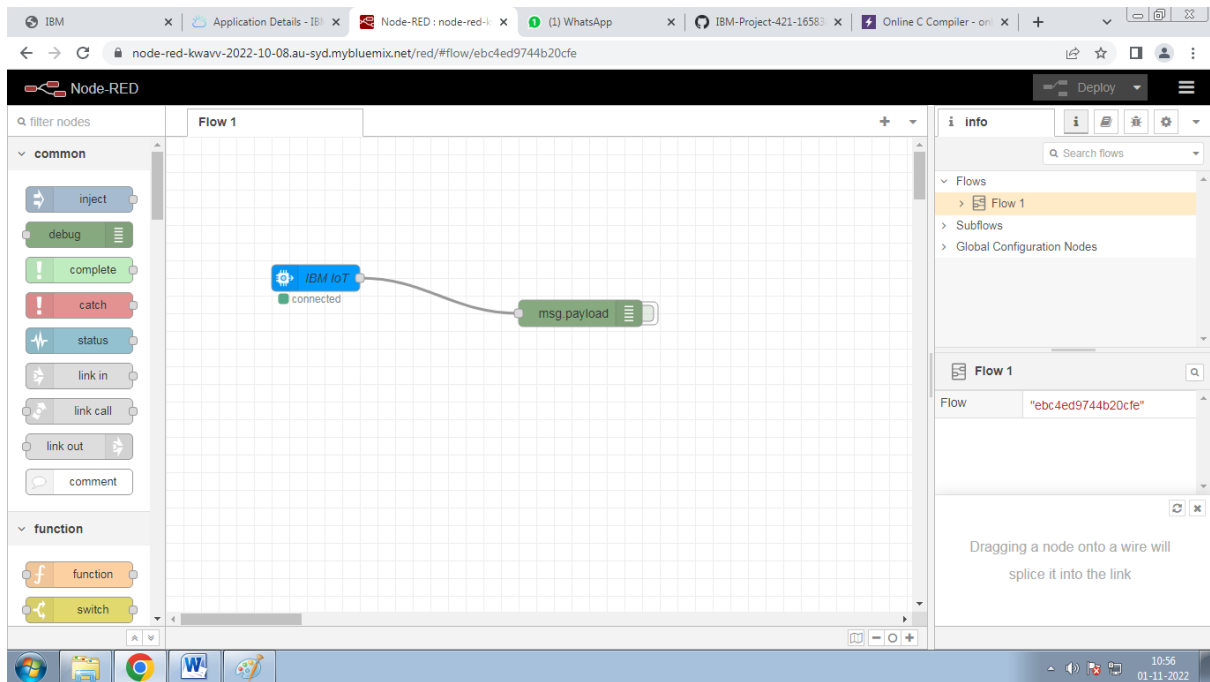
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at [nodered.org](#).

[Go to your Node-RED flow editor](#)

[Learn how to customise Node-RED](#)

Step 7. Create Node-Red is successfully



Result:

Successfully Created **Node-Red** Service on IBM Cloud.