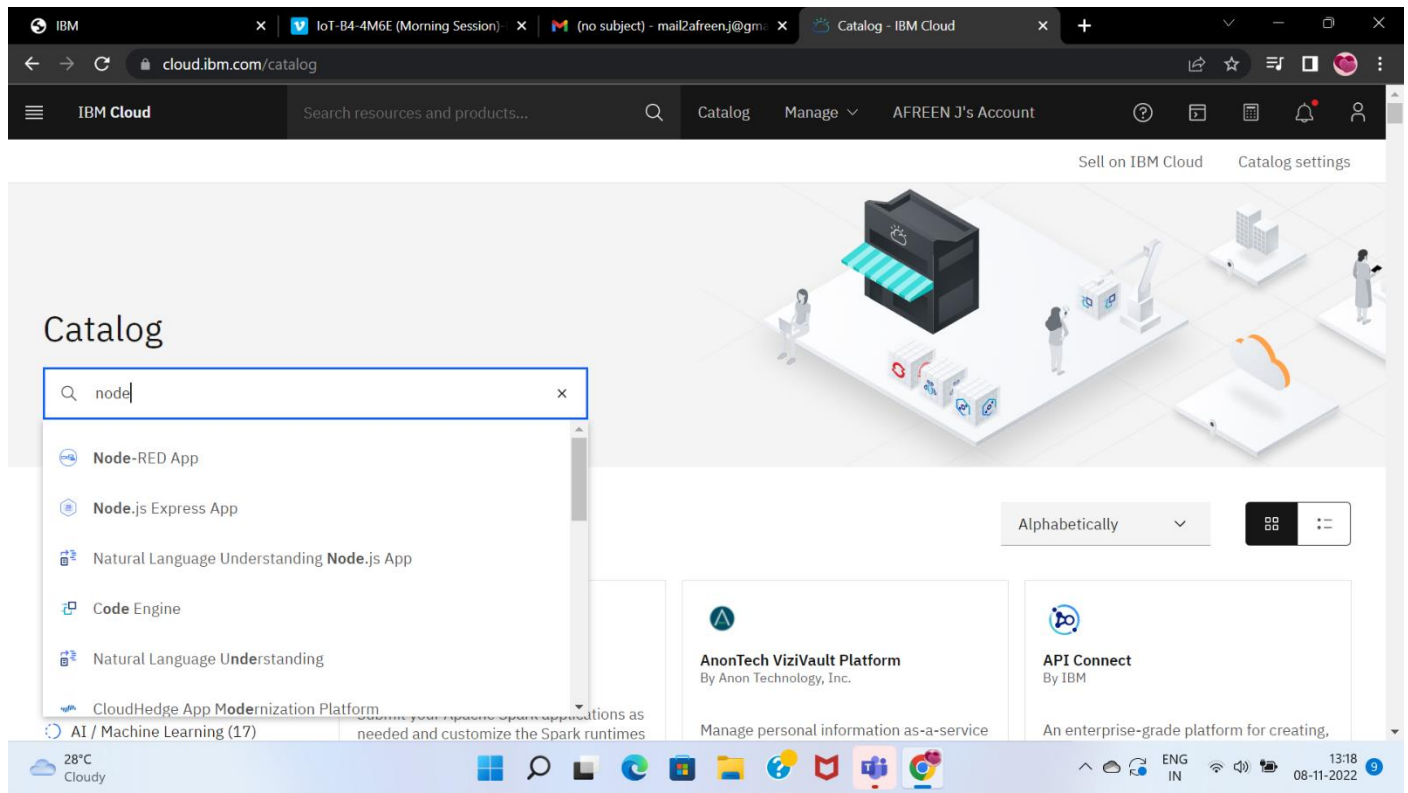


CREATE NODE-RED SERVICES

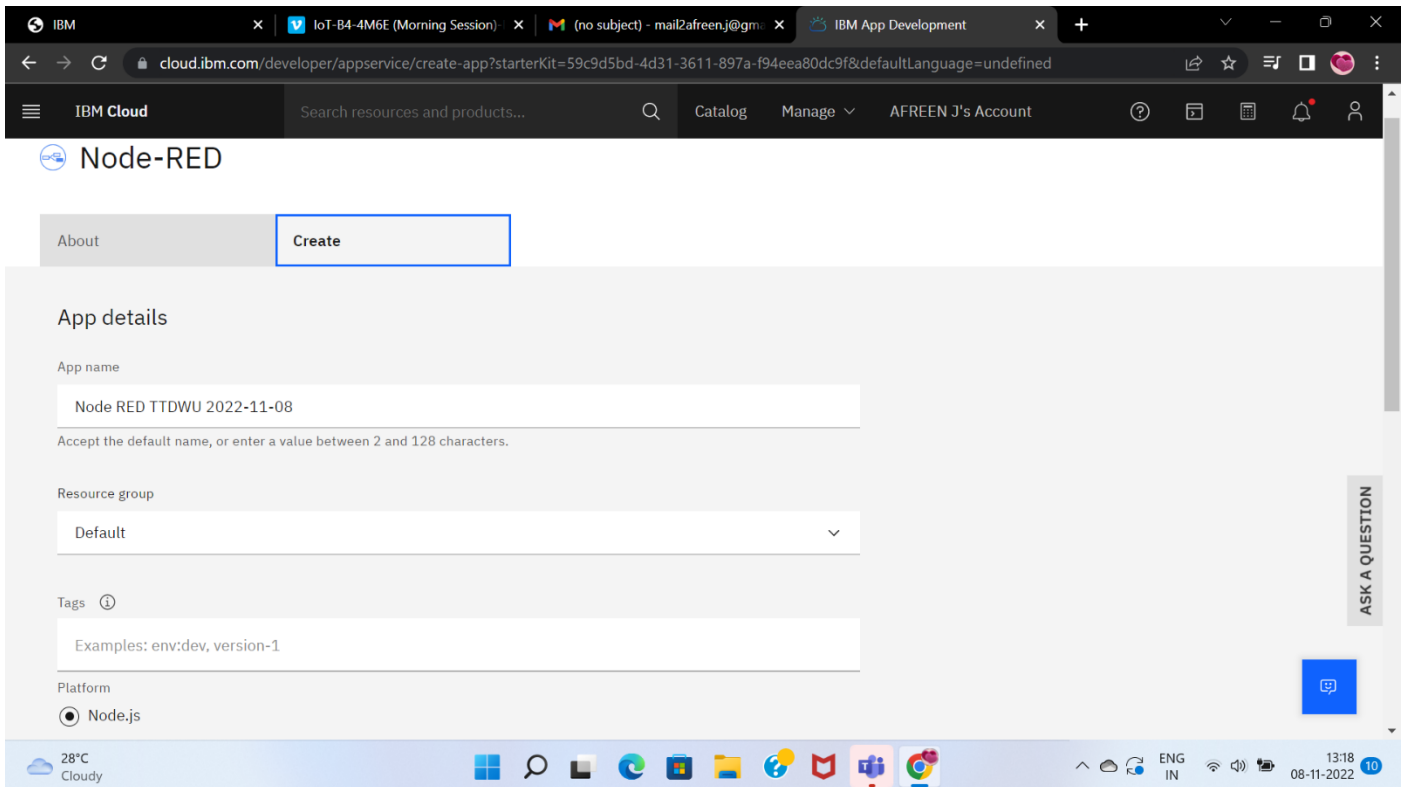
Team ID	PNT2022TMID00923
Project name	Signs with Smart Connectivity for Better Road Safety

STEPS TO CREATE:

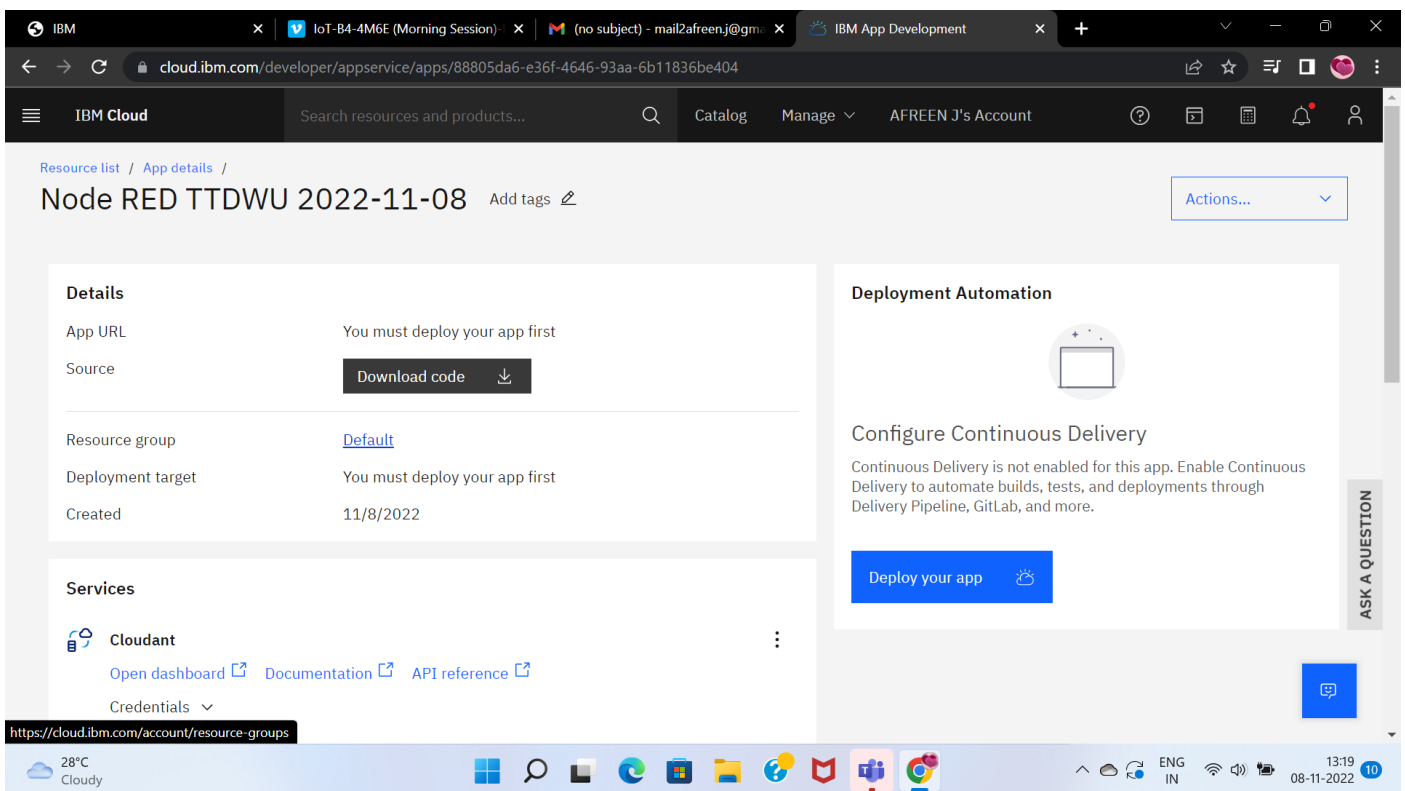
STEP-1: Login to ibm cloud and search for node red in catalog.



STEP-2: Click onto the create tab and check all the details and select next.



STEP-3: Now select on deploy your app option and wait for 10 to 15 minutes until app url is available.



STEP-4: Select the cloud foundry box and in the right column click on org hyperlink.

IBM Cloud

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.

Getting started with apps

Step 1. Select the deployment target

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

IBM Cloud Kubernetes Service

Kubernetes is an open source platform for managing containerized workloads and services across multiple hosts, and offers management tools for deploying, automating, monitoring, and scaling containerized apps with minimal to no manual intervention. [Learn more.](#)

Before you begin

- One free Kubernetes cluster is available per account.
- If you don't have an available cluster, you must create one before continuing. Allow 10-20 minutes for the cluster to be provisioned. [Create cluster.](#)

Steps

STEP-5: Click on the create button and enter all the required details.

IBM Cloud

Cloud Foundry Orgs

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

Create

Name	Date Created	Spaces	Roles	Actions
Afreen18	11/8/2022	1	Manager	

STEP-6: Click on the visit app url hyperlink and it gets directed to node-red website.

IBM Cloud Application Details page for Node RED ILUPV 2022-11-08. The application is Running. The Overview tab shows the instance health at 100% (1/1 instance(s) are running) and a slider for MB memory per instance set to 256. A notification banner states: "IBM Cloud Foundry Public is being deprecated. Please see full details." The Runtime section shows a Node.js application with a total MB allocation of 256, with a donut chart indicating 1.75 GB still available (Free vs Used).

STEP-7: Here click on go to your NODE-RED flow editor.

Node-RED on IBM Cloud landing page. The page features the Node-RED logo and the tagline "Flow-based programming for the Internet of Things". 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". The page also includes descriptive text about Node-RED as a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways, and mentions that 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.

STEP-8: Finally NODE-RED workspace is now available.

IBM

IoT-B4-4M6E (Morning S

(no subject) - mail2afreer

Application Details - IBM

Node-RED : node-red-ilu

node-red-ilupv-2022-11-08.eu-gb.mybluemix.net/red/#flow/07640fef98bdd288

Node-RED

Deploy

filter nodes

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

Flow 1

timestamp

msg.payload

debug

all nodes

all

11/8/2022, 1:20:30 PM f2f2649a.0d0d98
msg.payload : number
1667893831053

11/8/2022, 1:20:31 PM node: f2f2649a.0d0d98
msg.payload : number
1667893832068

11/8/2022, 1:20:32 PM node: f2f2649a.0d0d98
msg.payload : number
1667893833077

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08-11-2022