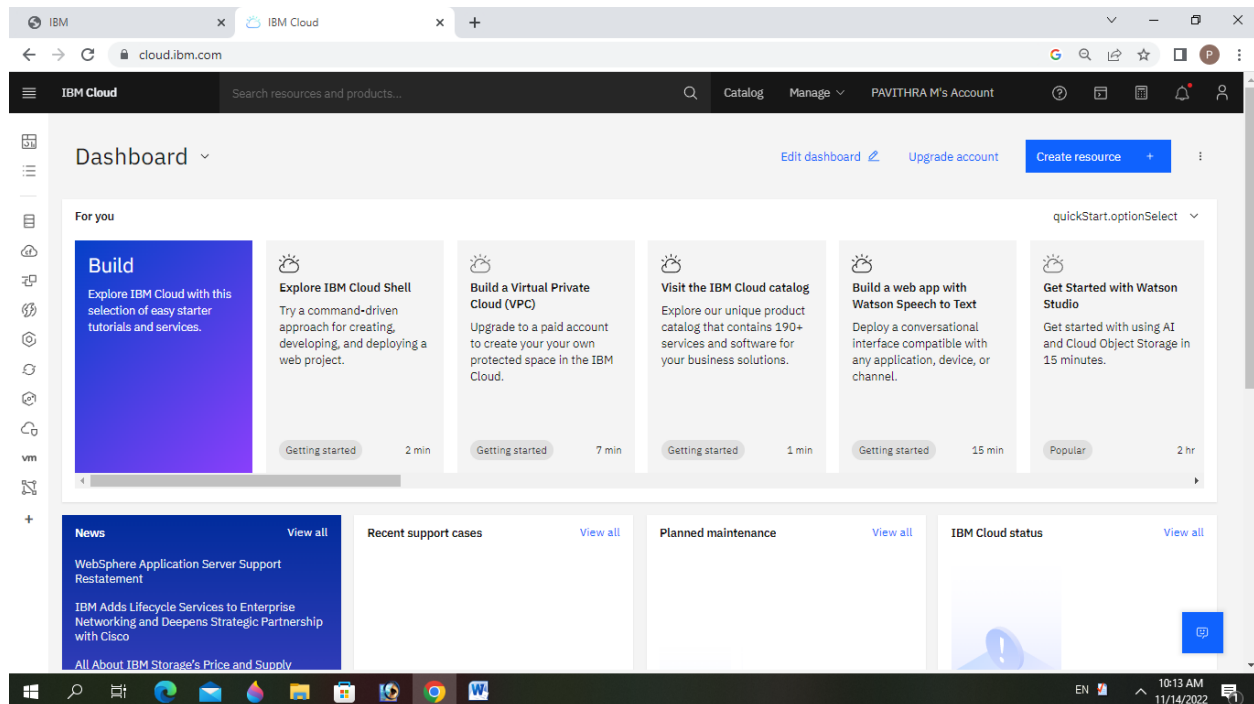


CREATE AND CONFIGURE IBM CLOUD SERVICE

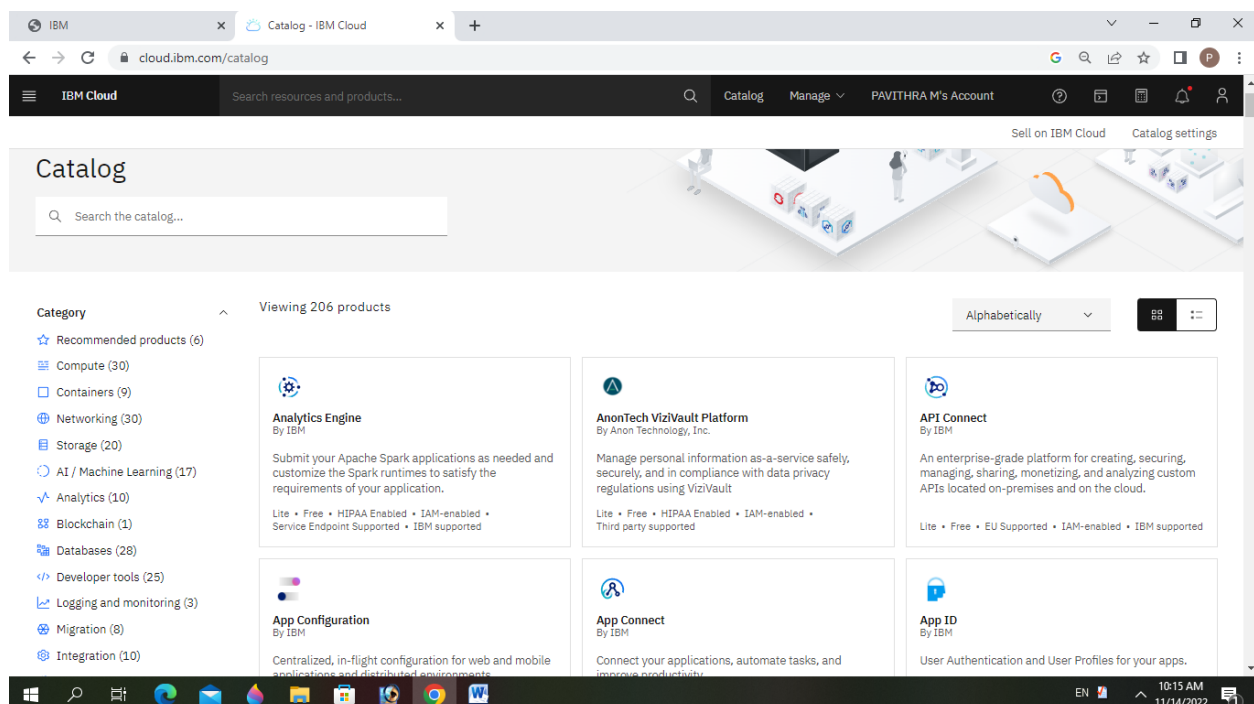
Create Node-RED Service

Date	20 October 2022
Team ID	PNT2022TMID43719
Project Name	Real-time River Water QualityMonitoring and Control System
Maximum Marks	2 Marks

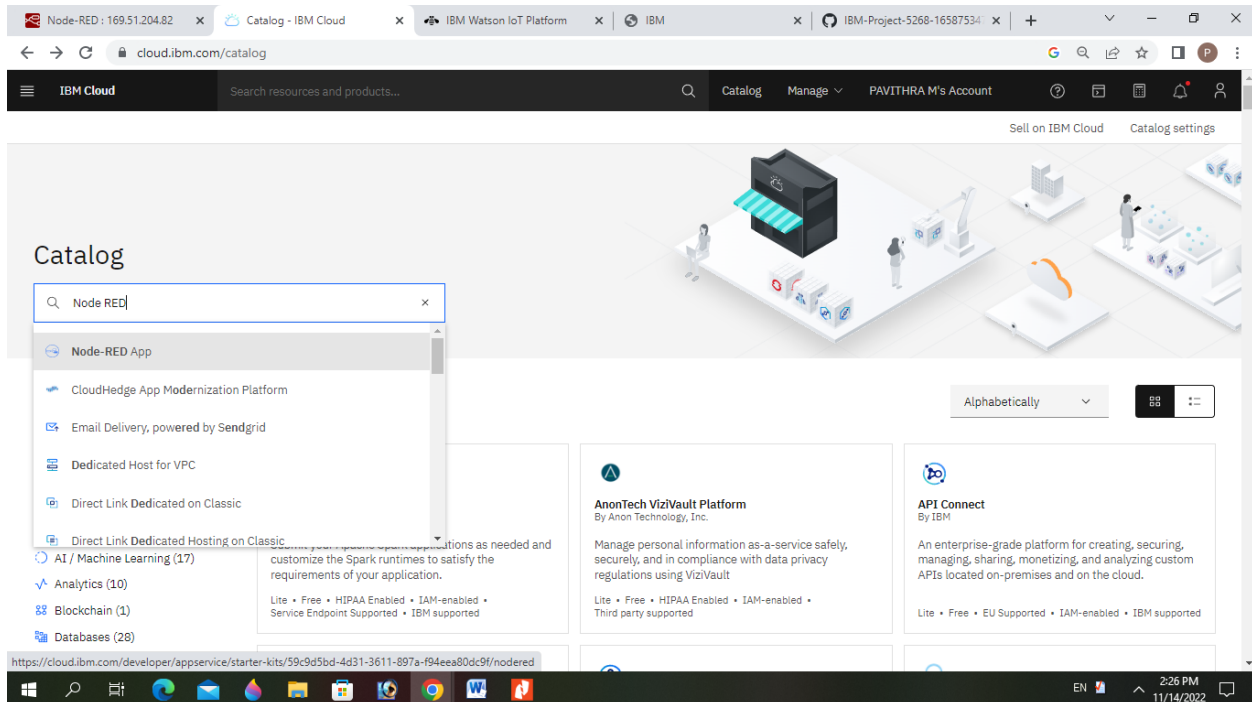
Step 1—Open the IBM cloud web page



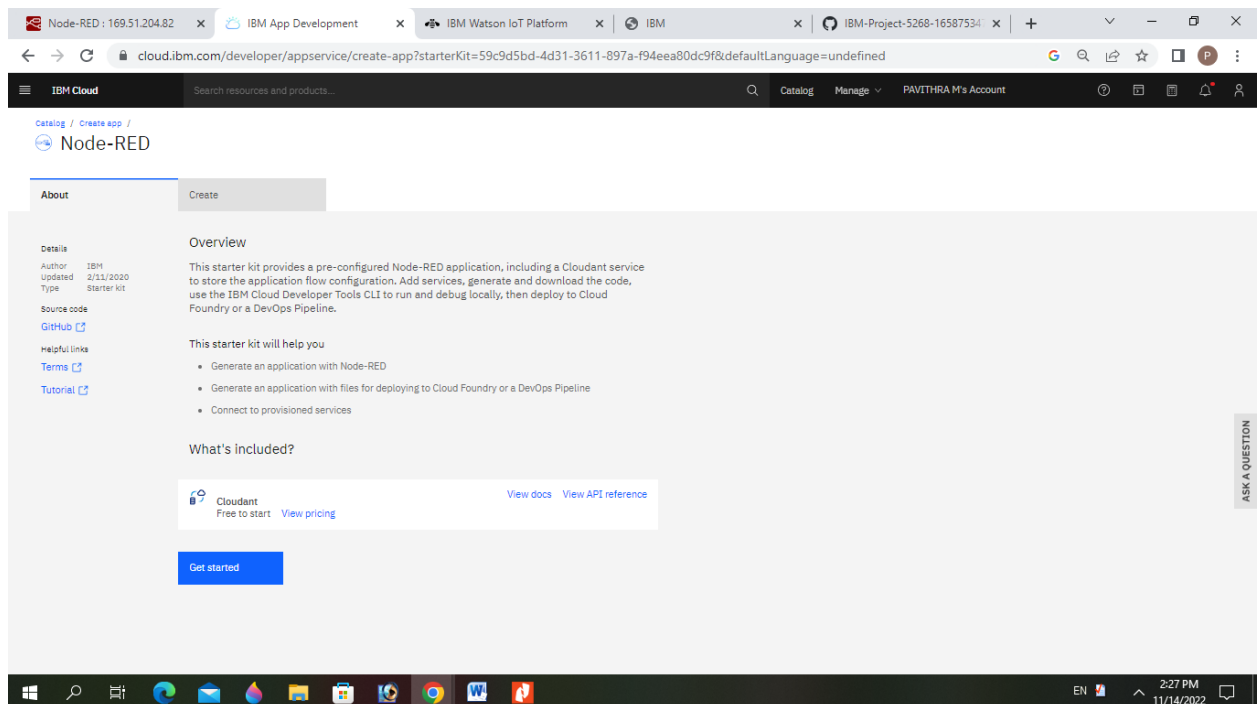
Step 2—Open the catalog by clicking the catalog session



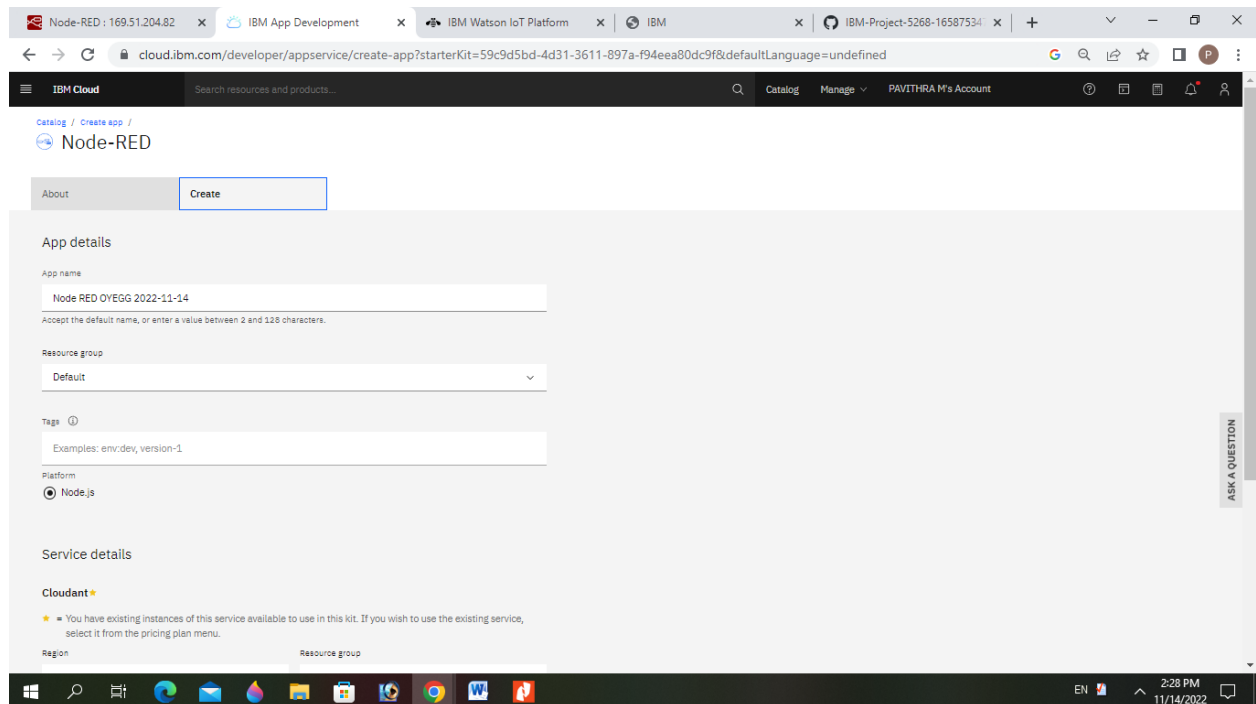
Step 3—Search for NODE RED in the search bar



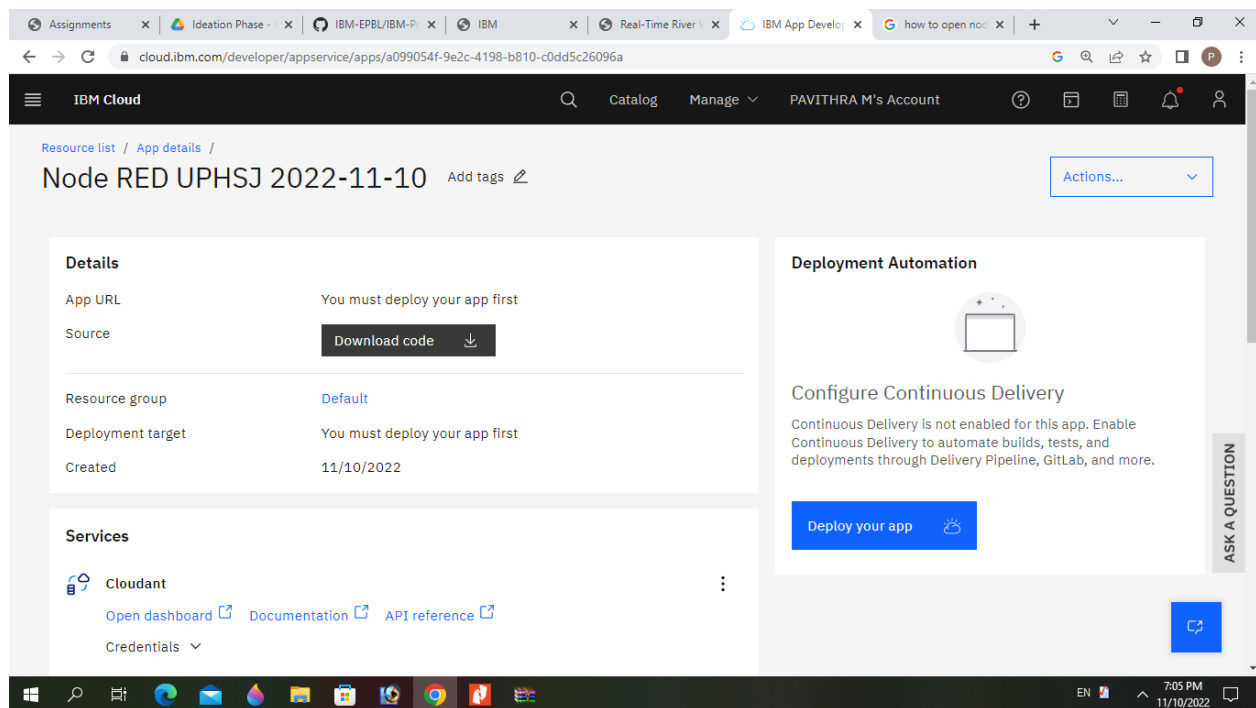
Step 4—Select the get started button



Step5—After filling the necessary details click the Create button



Step 6—Select the DEPLOY YOUR APP button



Step 7—Select the Cloud Foundry and click CREATE ORG on the right to create the org

The screenshot shows the IBM Cloud Developer App Service console. The browser address bar displays `cloud.ibm.com/developer/appservice/apps/dfb8debb-ef4d-4f57-902a-0a1b88e6e415`. The page title is "Node RED UNVJX 2022-11-14". Below the title, there are two tabs: "Select the deployment target" (active) and "Configure the DevOps toolchain".

The main content area is titled "Deployment Automation" and includes a sub-header "Deployment target". It contains a list of deployment targets:

- Kubernetes Service** (IBM): Deploy, scale, and manage your containerized application workloads to highly available clusters. (Marked as selected with a checkmark)
- 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): (Partially visible)

On the right side, there is a sidebar titled "Getting started with apps" with the following content:

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

- Create an IBM Cloud API key, or select an existing one from a secrets store.

At the bottom right of the sidebar, there is a blue button with a plus icon and the text "ASK A QUESTION". The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 12:29 PM on 11/14/2022.