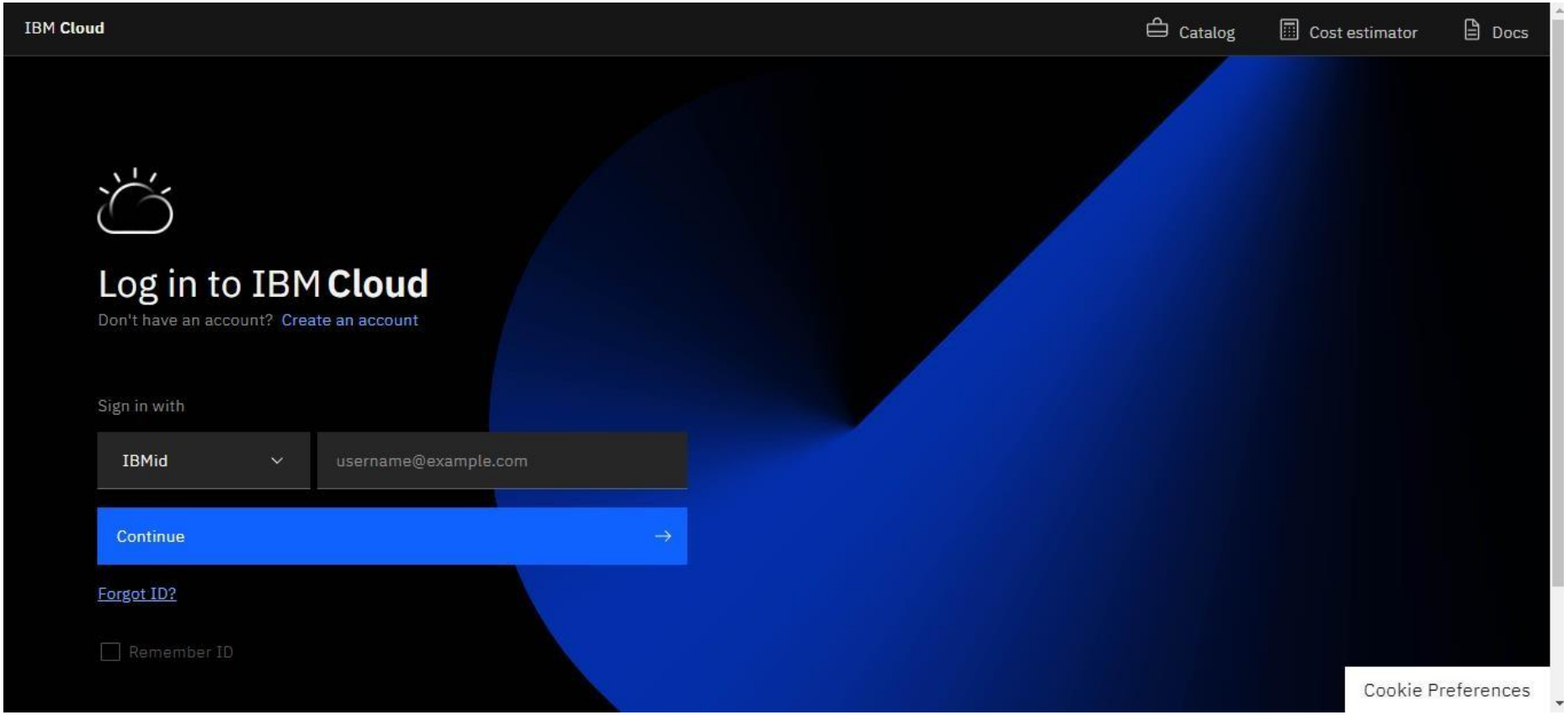
Create And Configure IBM Cloud Services

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID22142
Content	IBM Cloud Service

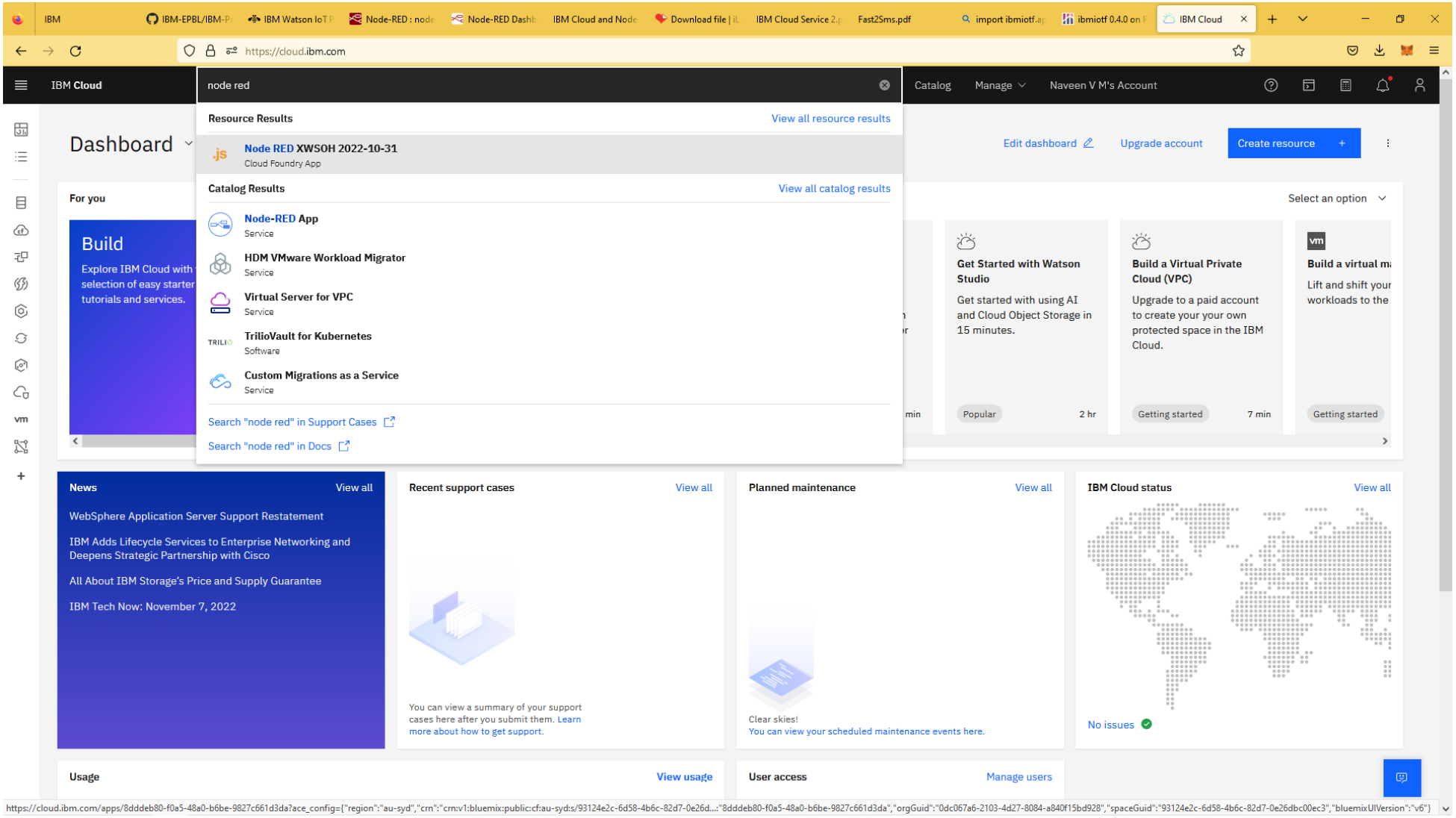
STEP 2:

You will get the email with your password. Type your mail Id and the password then click on the login button.



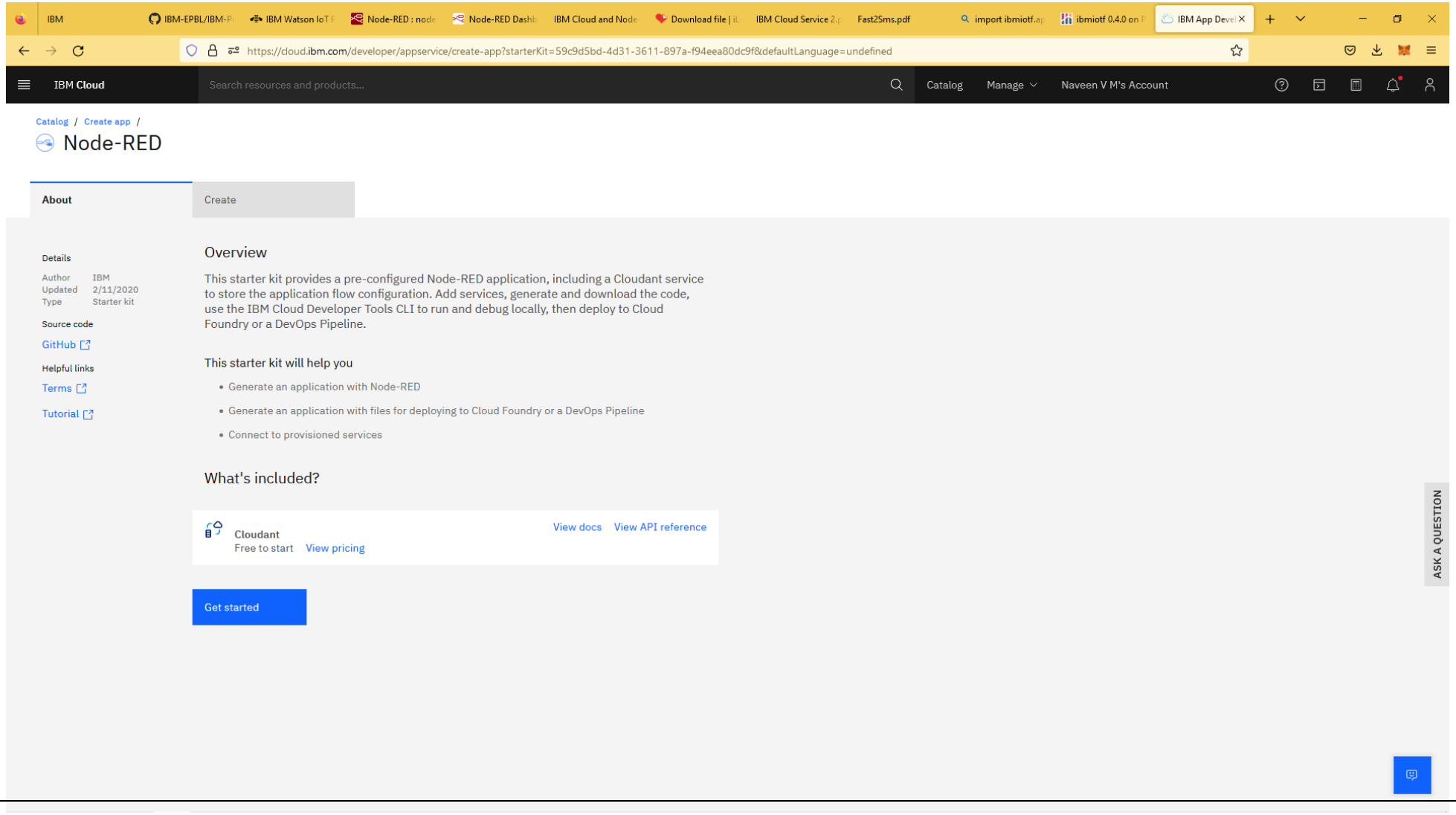
STEP 3:

Now you are in Dashboard. Now search Node-Red and click on it.



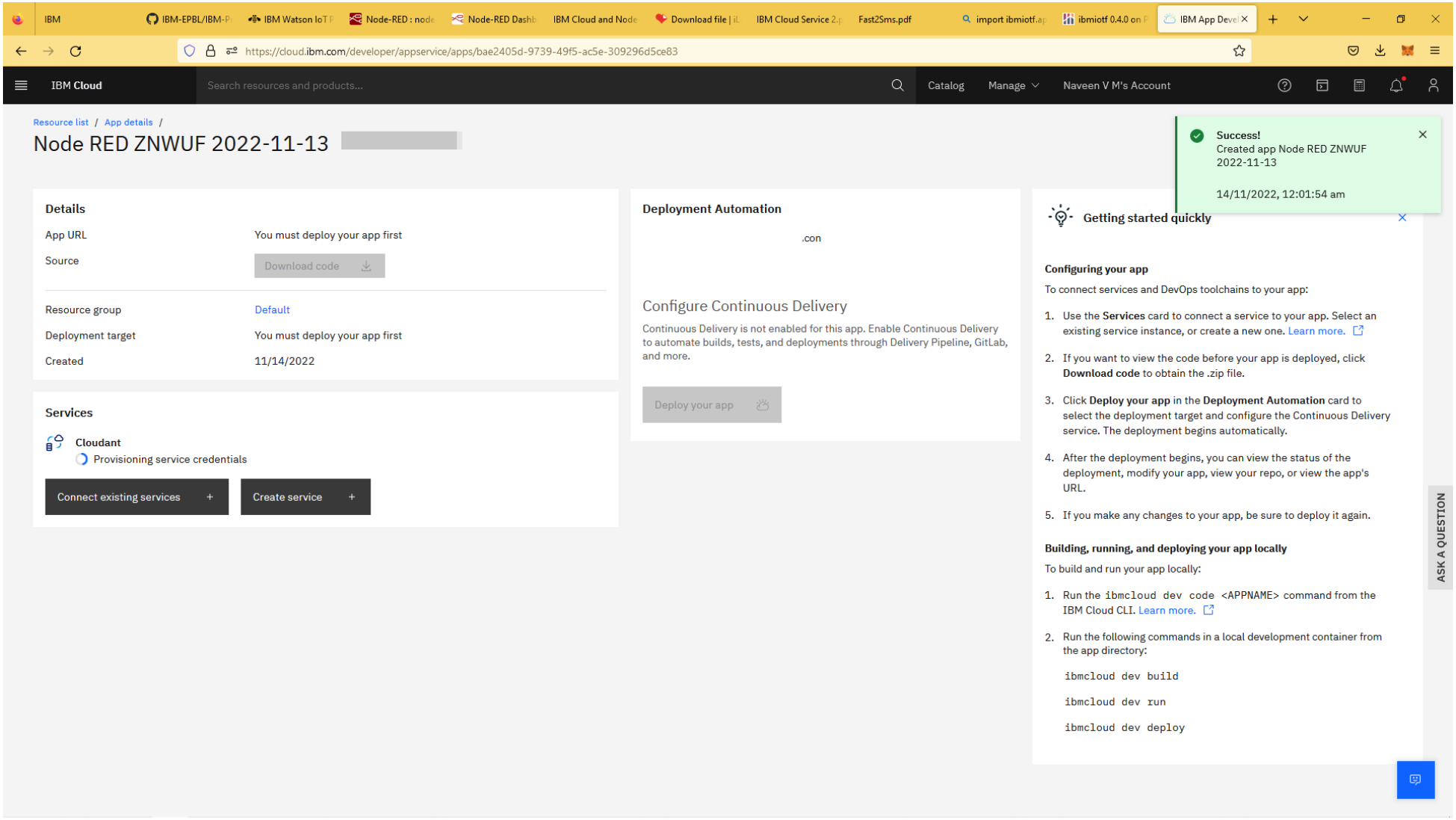
STEP 4:

Now click on Get Started. After choose node-red-xxxxxxx in pricing plan or you can choose Lite. Then click on create option.



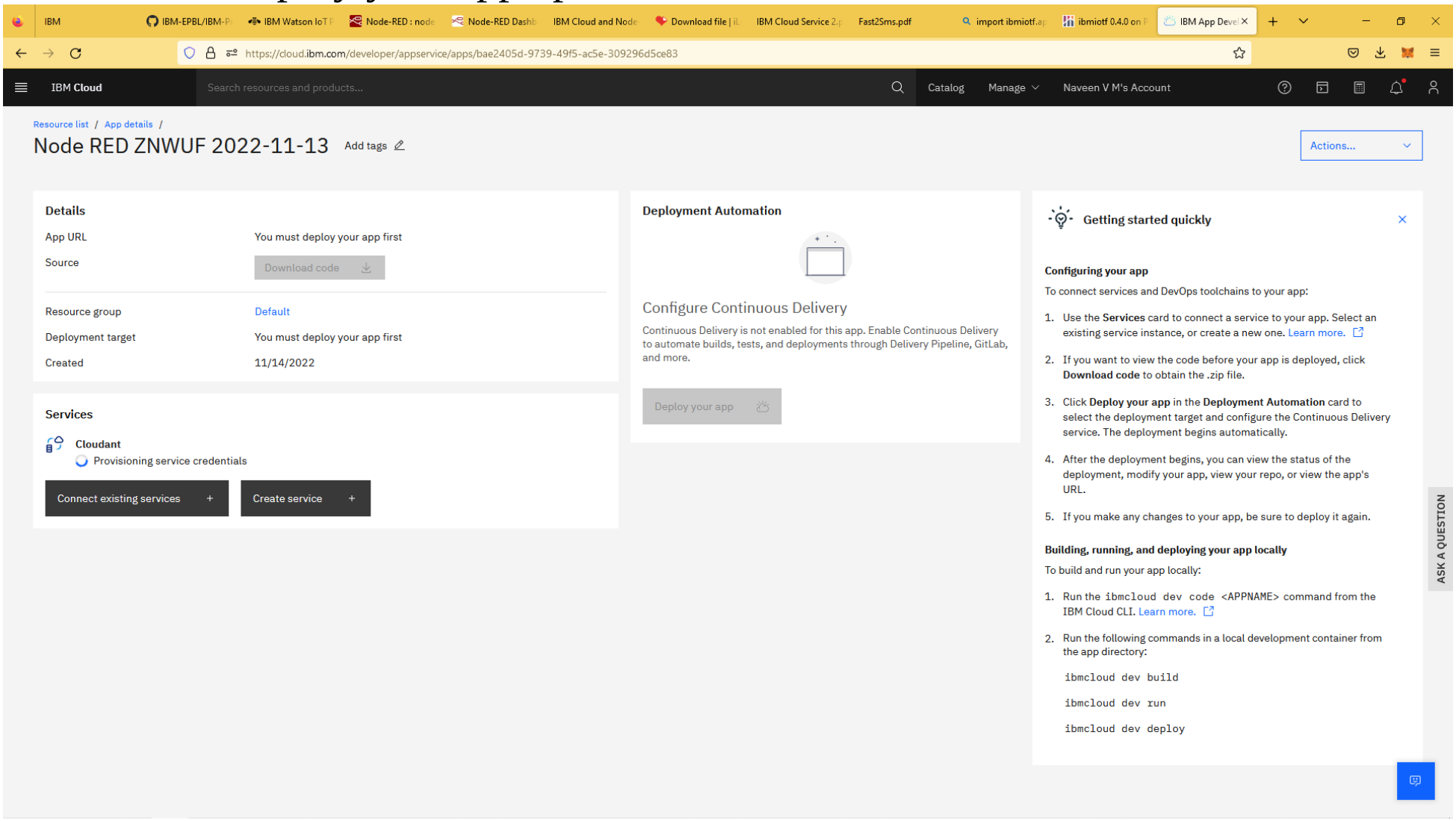
STEP 5:

Now you will be redirected to your node-red app page.



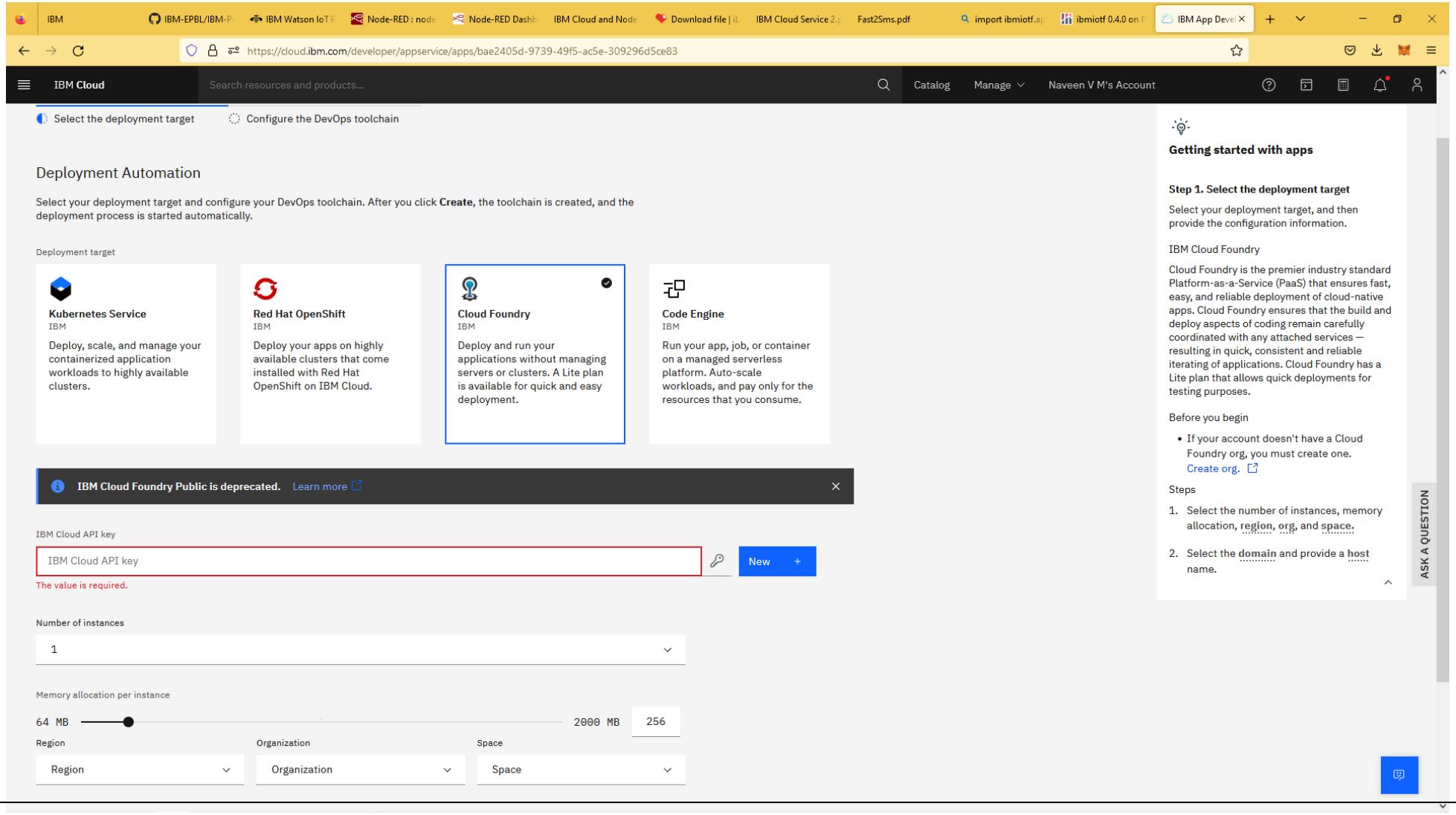
STEP 6:

Now click Deploy your app option.



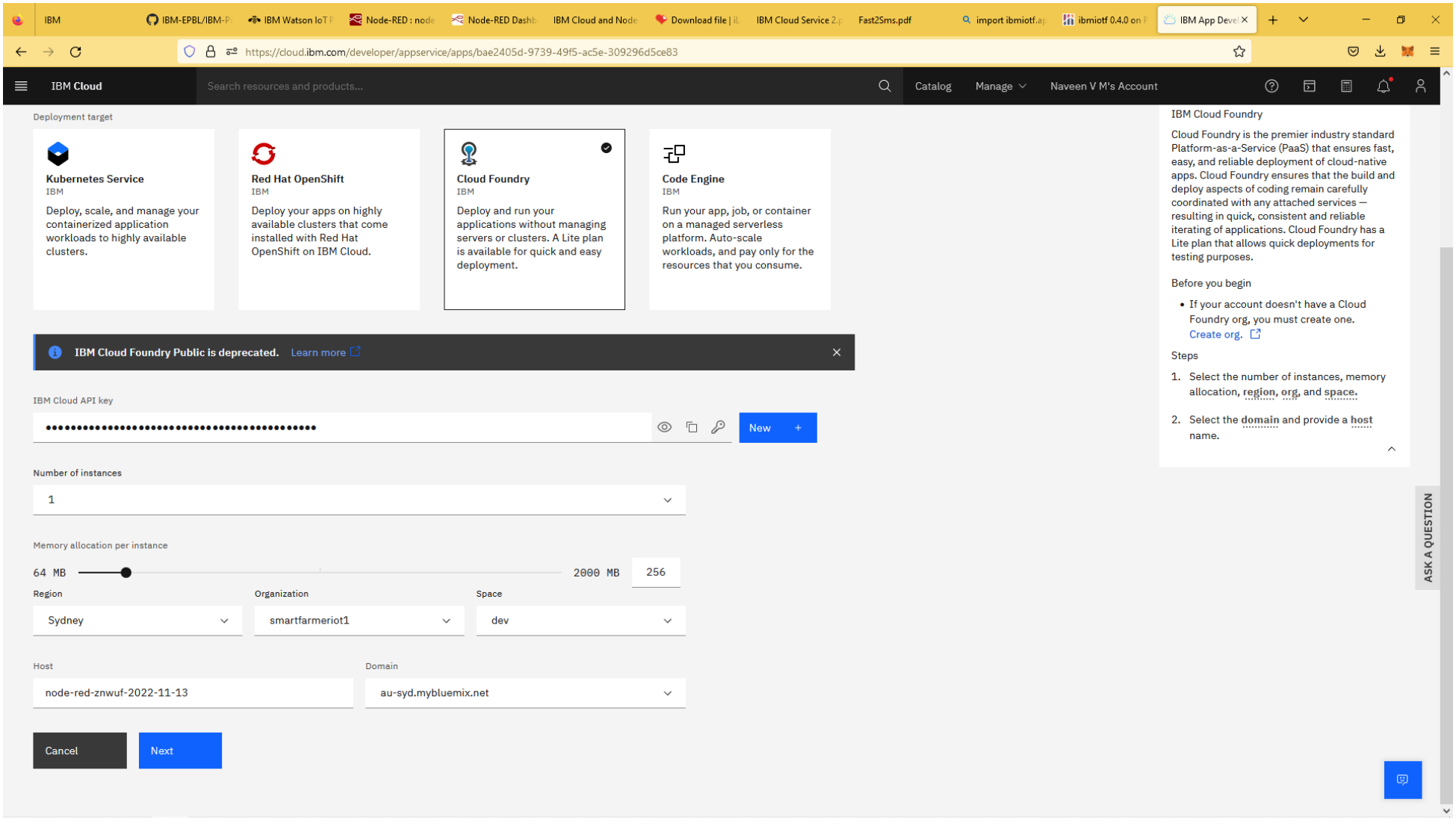
STEP 7:

Now choose Kubernetes Service and below you will see IBM Cloud API Key there click on New and then click OK. Your API Key will be generated.

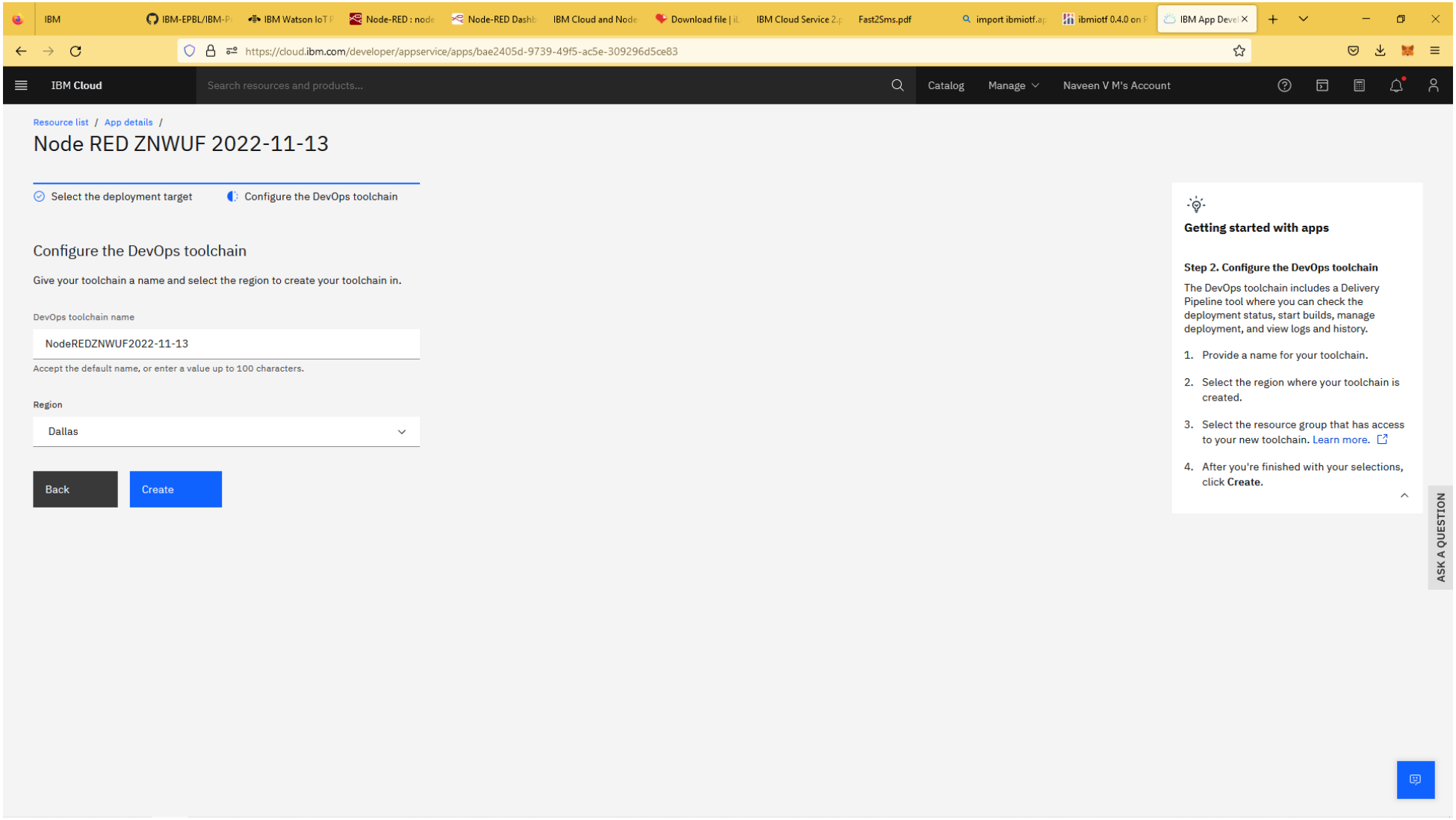


STEP 8:

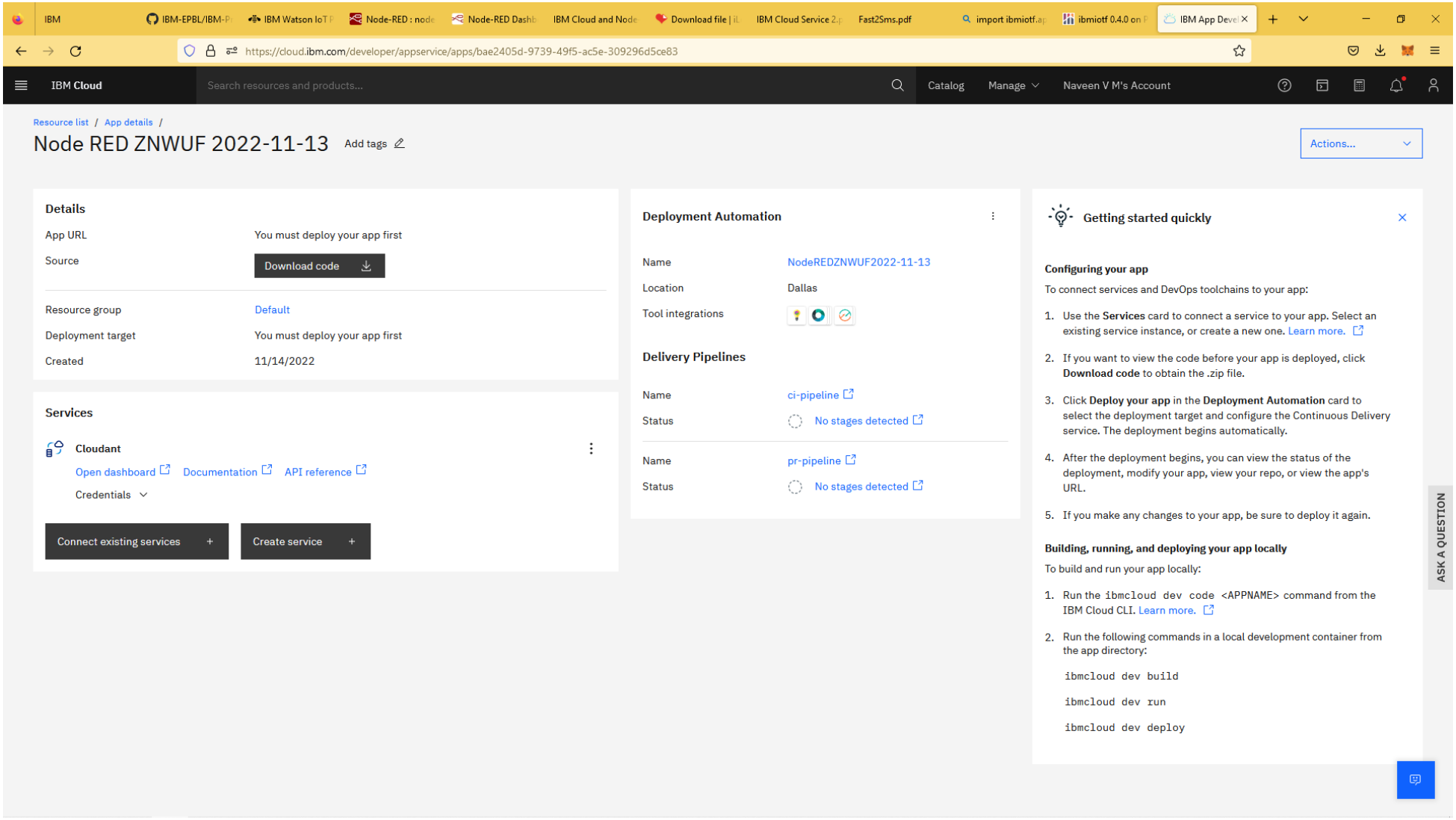
Now click on Create New below the cluster name. You will be redirected to new page. In new page, choose pricing plan as Free and then click on Create.



STEP 9:

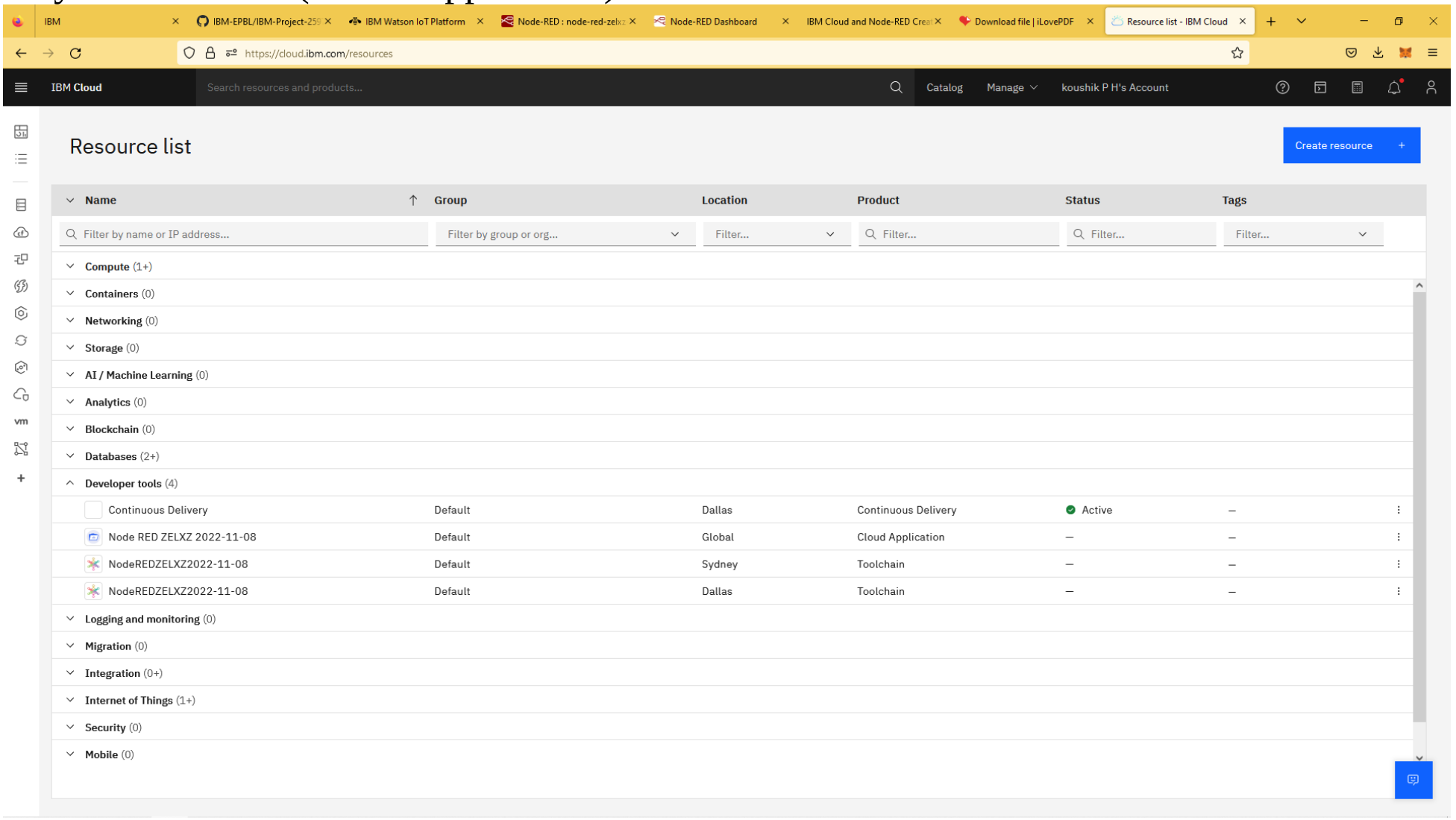

IBM
https://cloud.ibm.com/developer/appservice/apps/bae2405d-9739-49f5-ac5e-309296d5ce83
IBM Cloud
Search resources and products...
Catalog
Manage
Naveen V M's Account
Resource list / App details /
Node RED ZNWUF 2022-11-13
Select the deployment target
Configure the DevOps toolchain
Configure the DevOps toolchain
Give your toolchain a name and select the region to create your toolchain in.
DevOps toolchain name
NodeREDZNWUF2022-11-13
Accept the default name, or enter a value up to 100 characters.
Region
Dallas
Back
Create
Getting started with apps
Step 2. Configure the DevOps toolchain
The DevOps toolchain includes a Delivery Pipeline tool where you can check the deployment status, start builds, manage deployment, and view logs and history.
1. Provide a name for your toolchain.
2. Select the region where your toolchain is created.
3. Select the resource group that has access to your new toolchain. Learn more.
4. After you're finished with your selections, click Create.
ASK A QUESTION

STEP 10:


IBM
https://cloud.ibm.com/developer/appservice/apps/bae2405d-9739-49f5-ac5e-309296d5ce83
IBM Cloud
Search resources and products...
Catalog
Manage
Naveen V M's Account
Resource list / App details /
Node RED ZNWUF 2022-11-13
Add tags
Actions...
Details
App URL
You must deploy your app first
Source
Download code
Resource group
Default
Deployment target
You must deploy your app first
Created
11/14/2022
Services
Cloudant
Open dashboard
Documentation
API reference
Credentials
Connect existing services
Create service
Deployment Automation
Name
NodeREDZNWUF2022-11-13
Location
Dallas
Tool integrations
Delivery Pipelines
Name
ci-pipeline
Status
No stages detected
Name
pr-pipeline
Status
No stages detected
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 sure to deploy it again.
Building, running, and deploying your app locally
To build and run your app locally:
1. Run the ibmcloud dev code <APPNAME> command from the IBM Cloud CLI. Learn more.
2. Run the following commands in a local development container from the app directory:
ibmcloud dev build
ibmcloud dev run
ibmcloud dev deploy
ASK A QUESTION

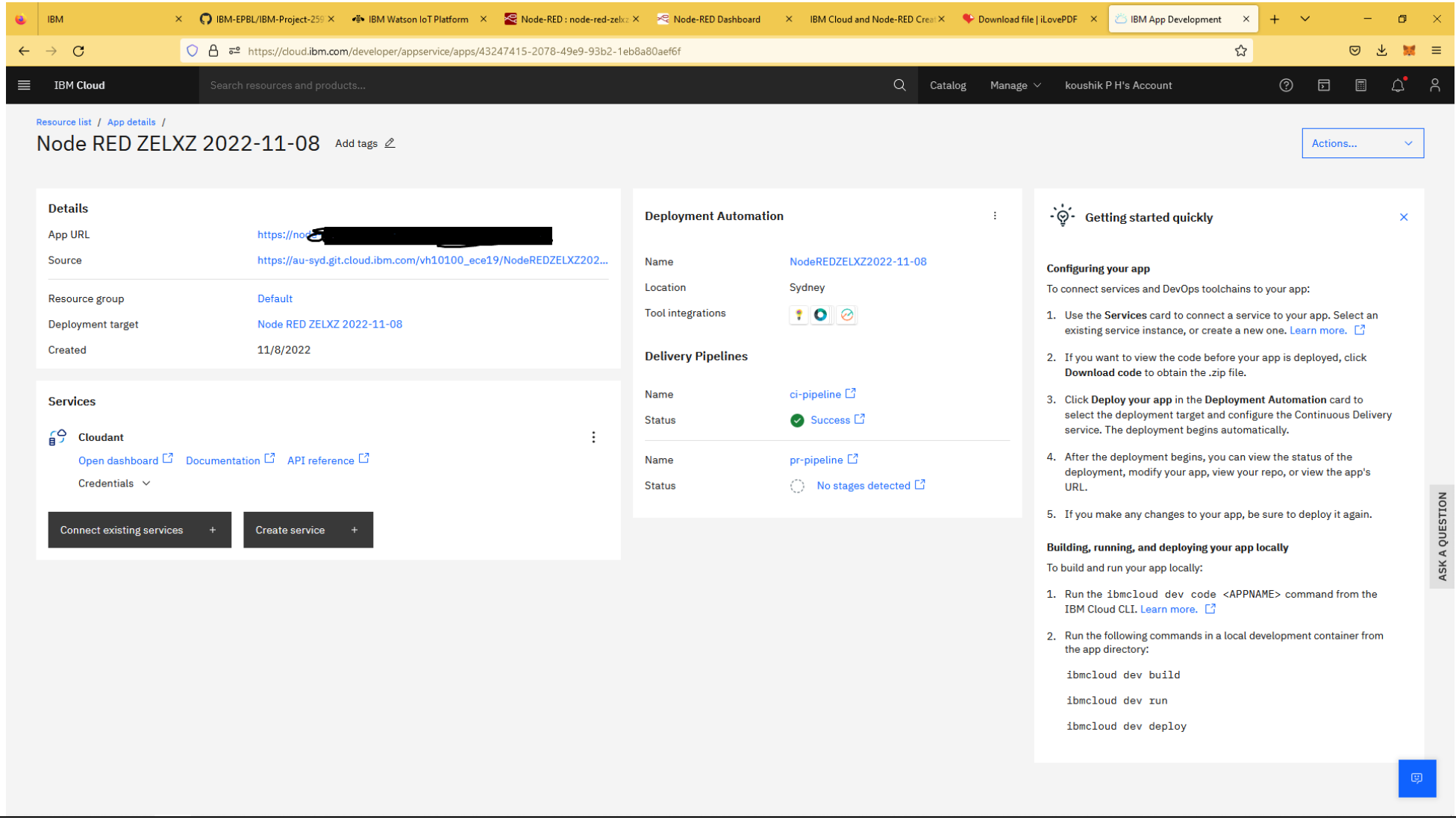
STEP 11:

Now go to Dashboard, in sidebar menu choose Resource list > Developer Tools. Click on your Node-red (Cloud Application)



STEP 12:

Now you will be redirected your Node-red app there you can see your App url and Source. To open Node-red editor copy the app url and paste in new tab.



STEP 13:

Click on Next and then choose Not Recommended and click on next and then click finish. Then click on go to Node-RED flow editor. Now start work on your flows.