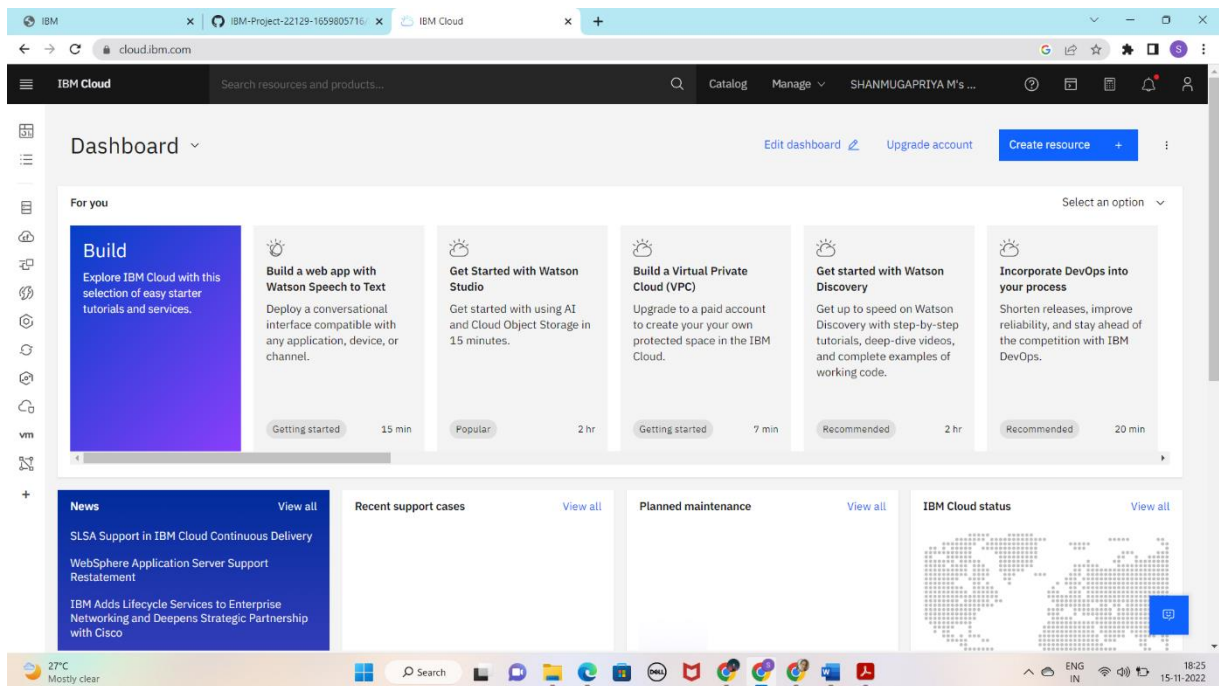
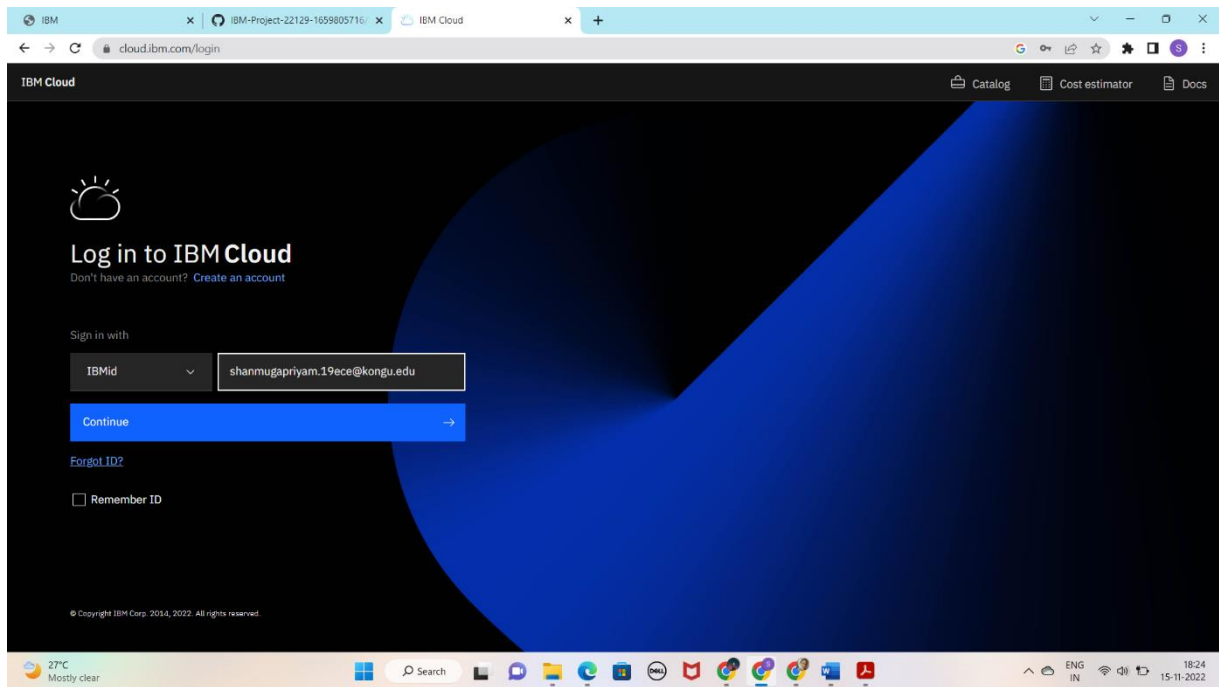


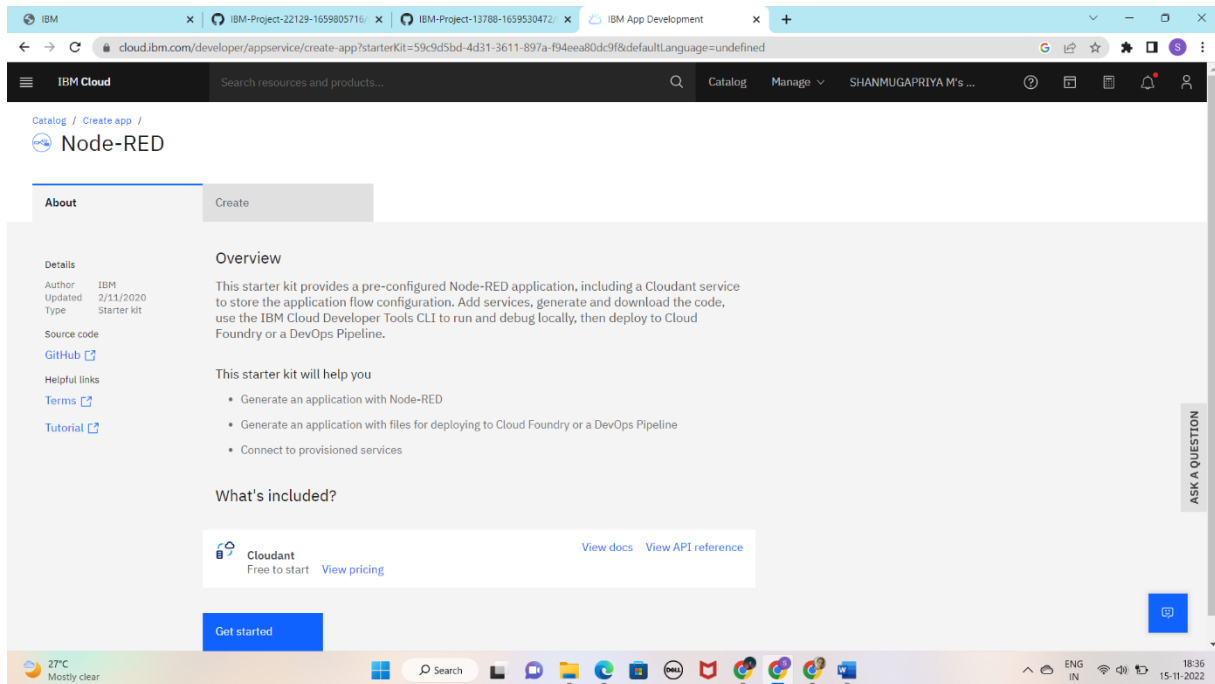
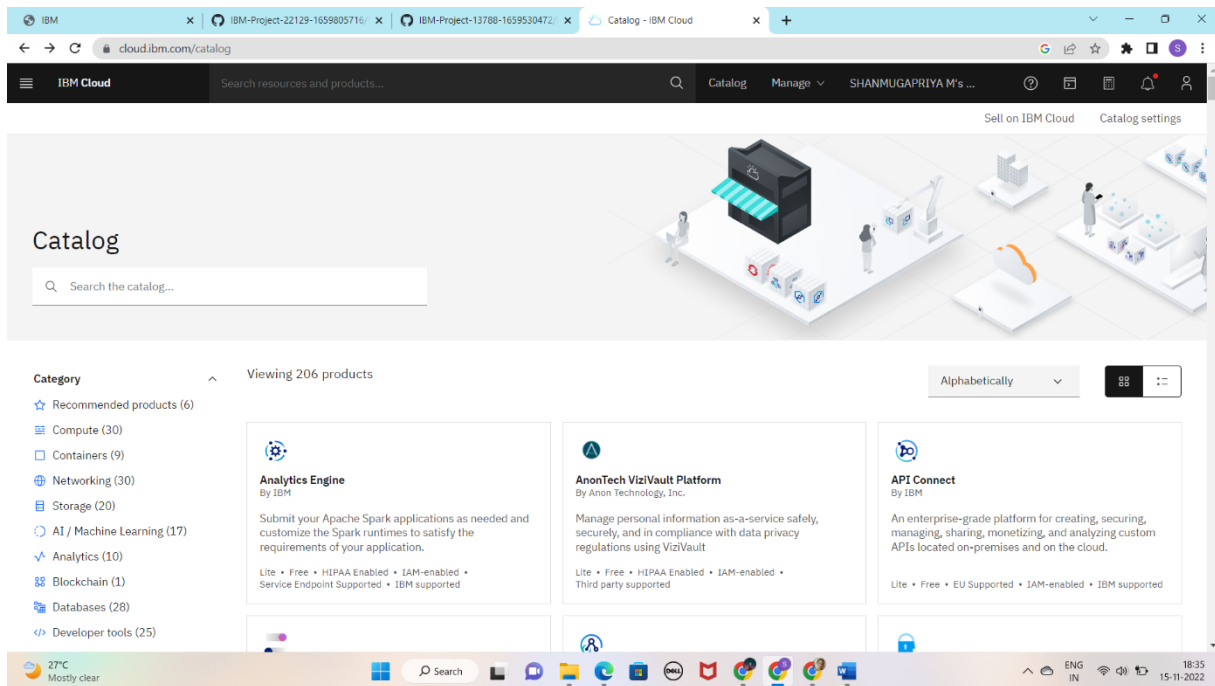
## Creating A Node-Red APP

<b>Team ID</b>	PNT2022TMID04753
<b>Project Name</b>	Smart Farmer-IOT Enabled Smart Farming Application

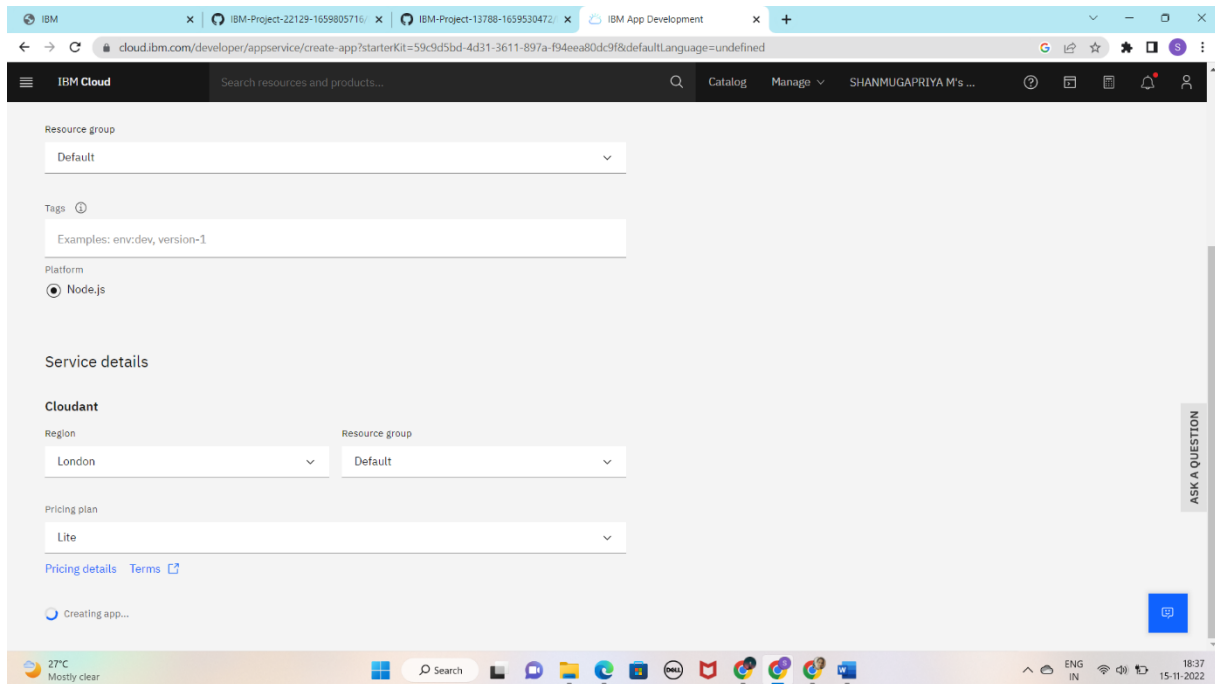
First login into IBM cloud and click the Catalog button.



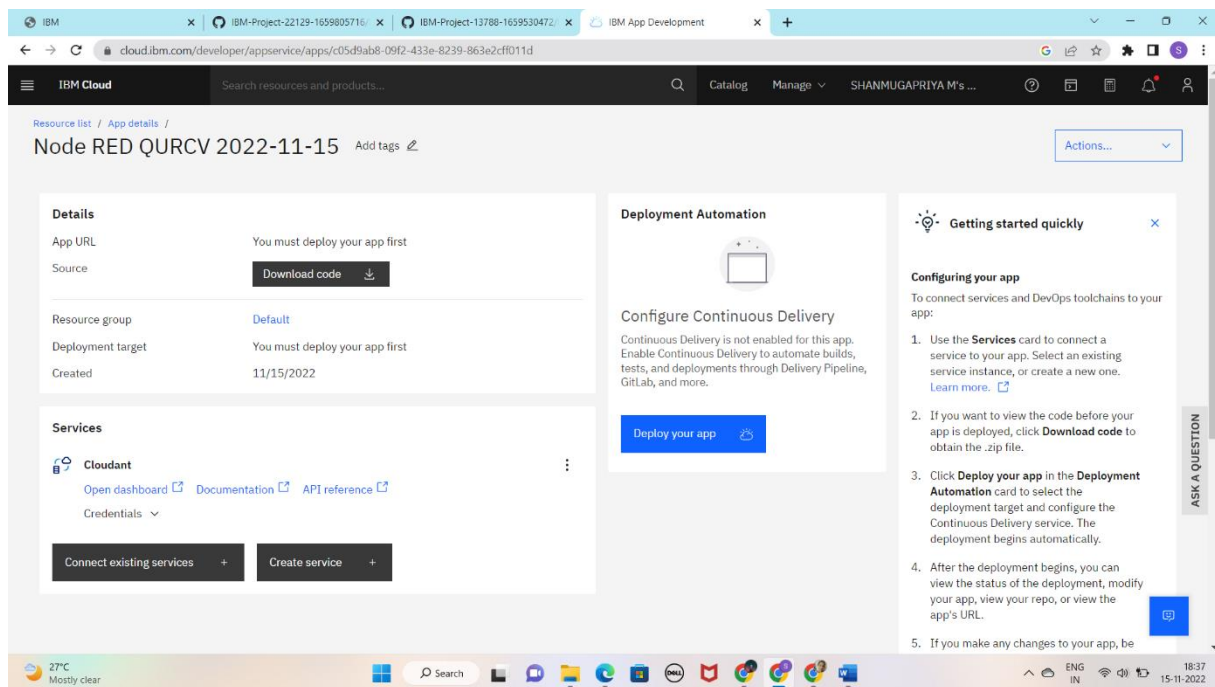
Type in search bar node-red and click the Get started.



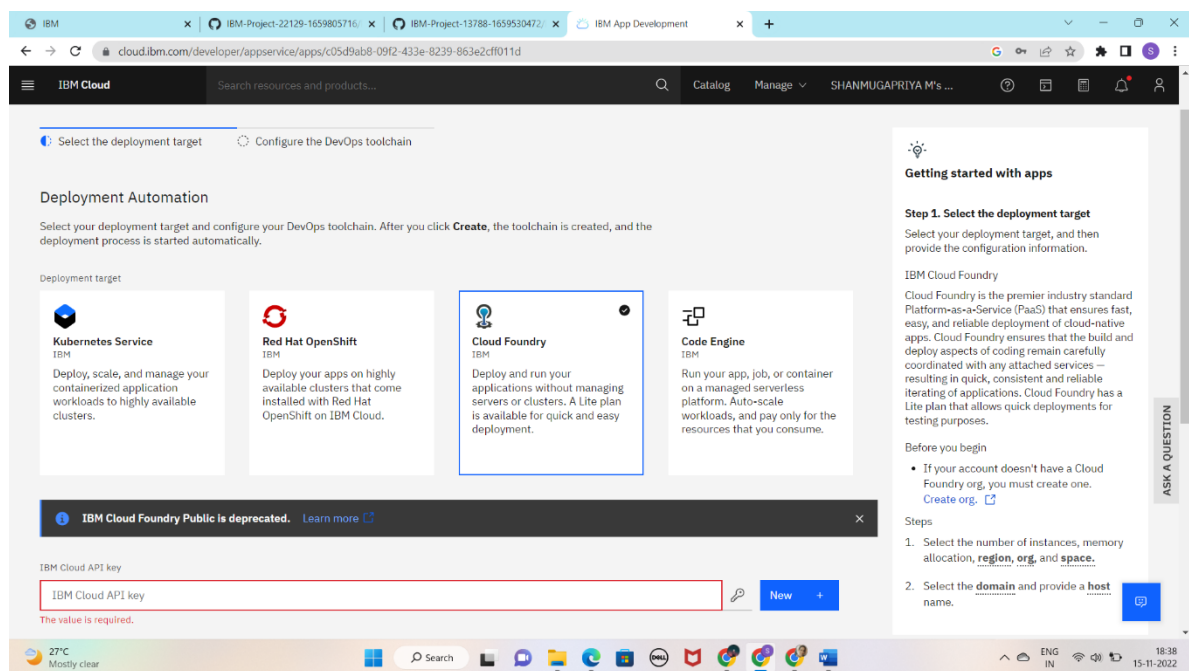
Now click the Create button



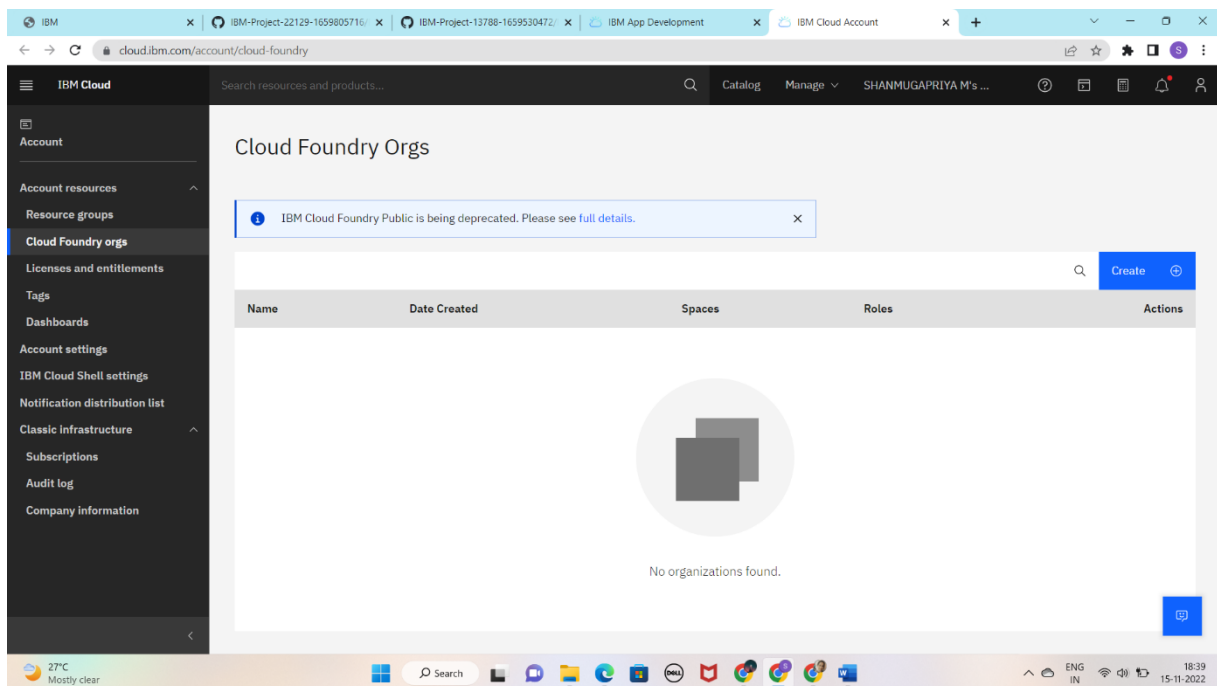
Create the deploy your app



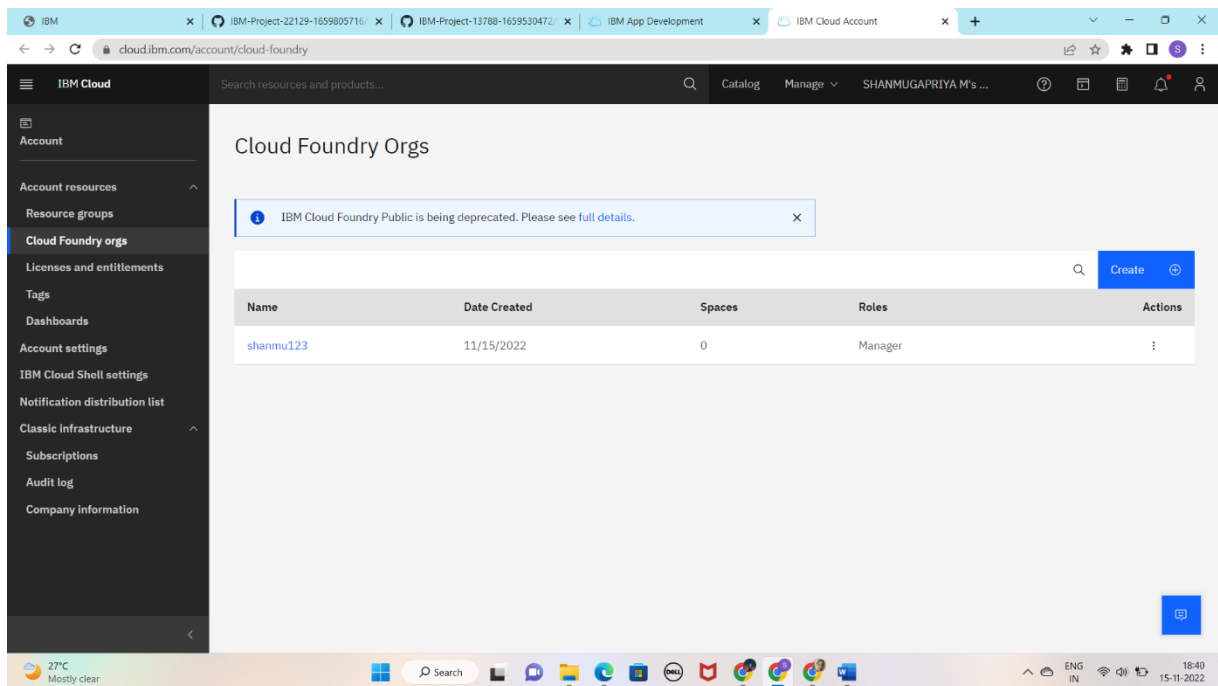
Now select the cloud Foundry and create org.



now we have to the create the organization name and region.



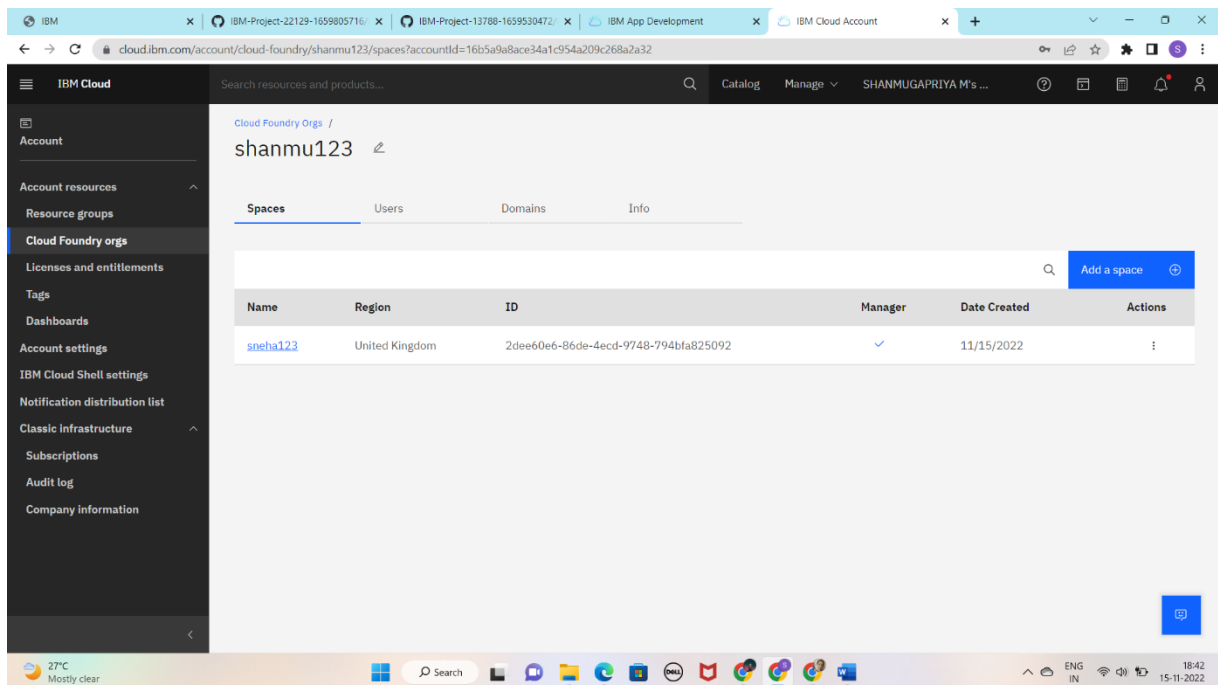
Now create the spaces in cloud foundry orgs.



The screenshot shows the IBM Cloud Foundry Orgs page. The left sidebar contains the navigation menu with 'Cloud Foundry orgs' selected. The main content area displays a table of Cloud Foundry Orgs. A notification banner at the top states: 'IBM Cloud Foundry Public is being deprecated. Please see full details.' The table has columns: Name, Date Created, Spaces, Roles, and Actions. One org is listed: 'shanmu123' created on 11/15/2022 with 0 spaces and a Manager role. A 'Create' button is visible in the top right corner of the table area.

Name	Date Created	Spaces	Roles	Actions
shanmu123	11/15/2022	0	Manager	

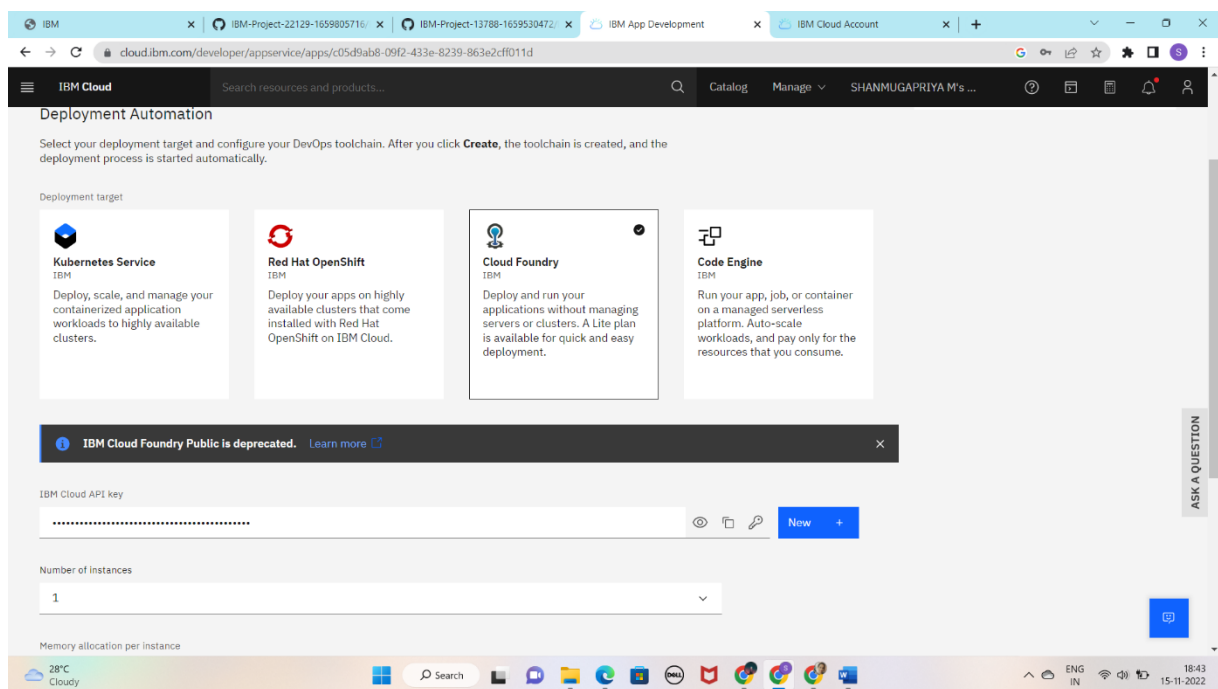
Now we added the spaces



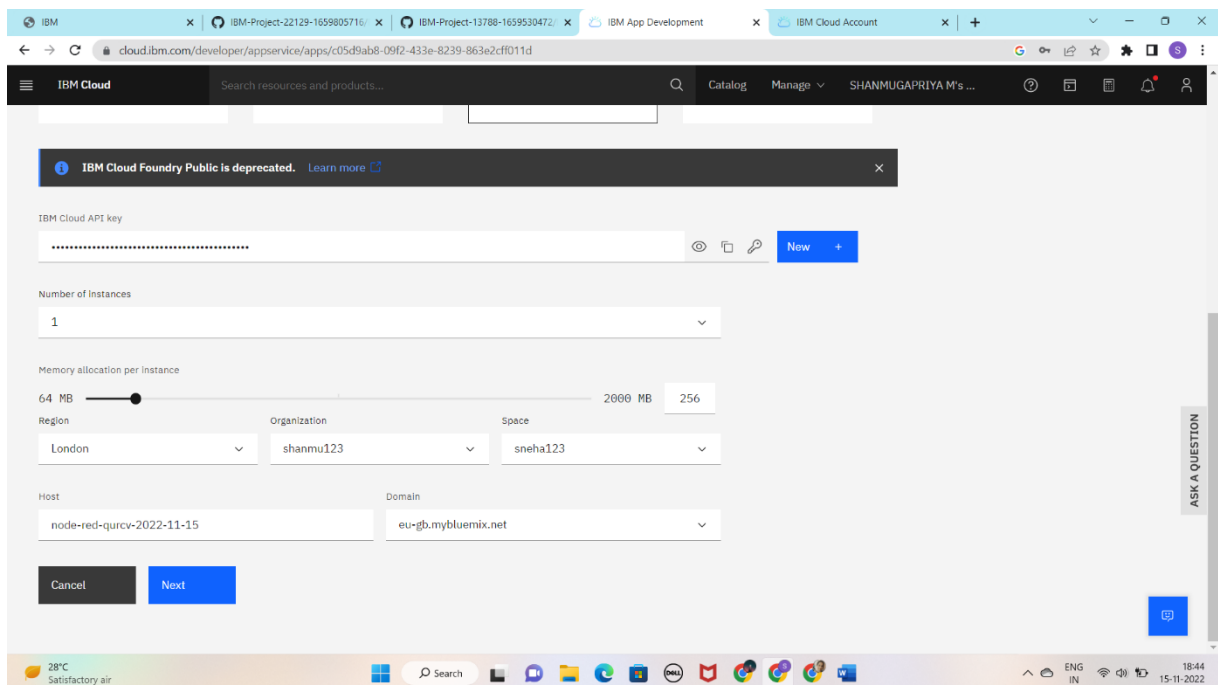
The screenshot shows the IBM Cloud Foundry Spaces page for the org 'shanmu123'. The left sidebar is the same as the previous screenshot. The main content area displays a table of Spaces. The 'Spaces' tab is selected. A notification banner at the top states: 'IBM Cloud Foundry Public is being deprecated. Please see full details.' The table has columns: Name, Region, ID, Manager, Date Created, and Actions. One space is listed: 'sneha123' in the United Kingdom region, ID 2dee60e6-86de-4ecd-9748-794bfa825092, created on 11/15/2022, with a Manager role. An 'Add a space' button is visible in the top right corner of the table area.

Name	Region	ID	Manager	Date Created	Actions
sneha123	United Kingdom	2dee60e6-86de-4ecd-9748-794bfa825092	✓	11/15/2022	

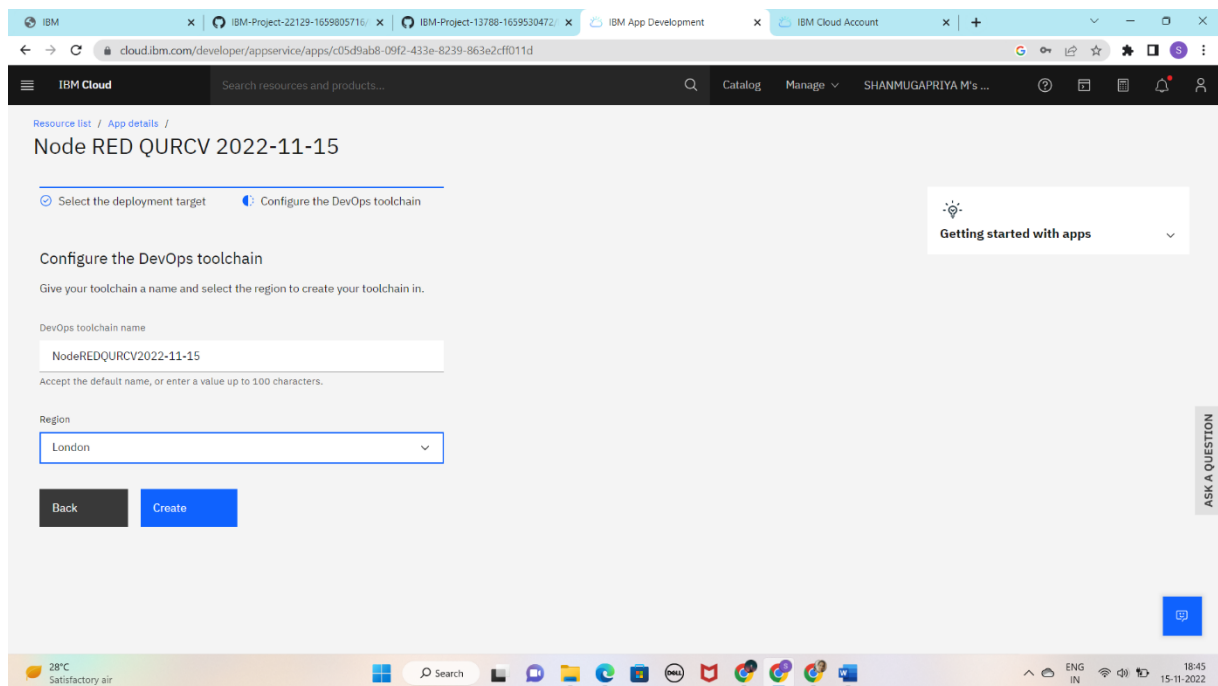
Now we need to create IBM Cloud API key



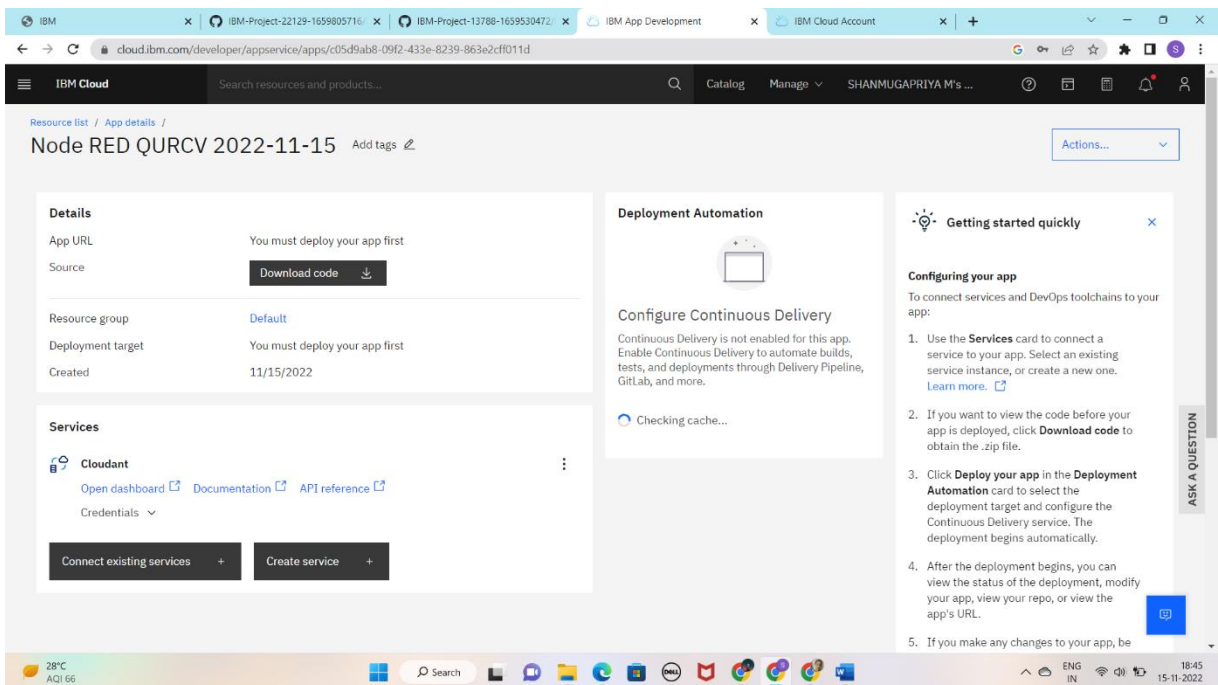
Now select the region and organization and space and click next.



Now select the region and click create



Now we have to wait 30 minutes the ci-pipeline status going to success



Now it is going to create app URL

The screenshot shows the IBM Cloud Developer console for an application named "Node RED QURCV 2022-11-15". The interface is divided into several sections:

- Details:** A table showing app information.

App URL	You must deploy your app first
Source	<a href="https://eu-gb.git.cloud.ibm.com/shanmugapriyam.19ece/Node...">https://eu-gb.git.cloud.ibm.com/shanmugapriyam.19ece/Node...</a>
Resource group	Default
Deployment target	You must deploy your app first
Created	11/15/2022
- Services:** A section for managing services, currently showing "Cloudant" with links to the dashboard, documentation, and API reference. There are buttons for "Connect existing services" and "Create service".
- Deployment Automation:** A section showing deployment pipelines. It lists two pipelines: "ci-pipeline" (In progress) and "pr-pipeline" (No stages detected).
- Getting started quickly:** A sidebar with a list of steps to configure the app, including connecting services, downloading code, and deploying the app.

The bottom of the screen shows a Windows taskbar with various application icons and system status information (28°C, Cloudy, 18:32, 15-11-2022).

Now click the URL and click the next.

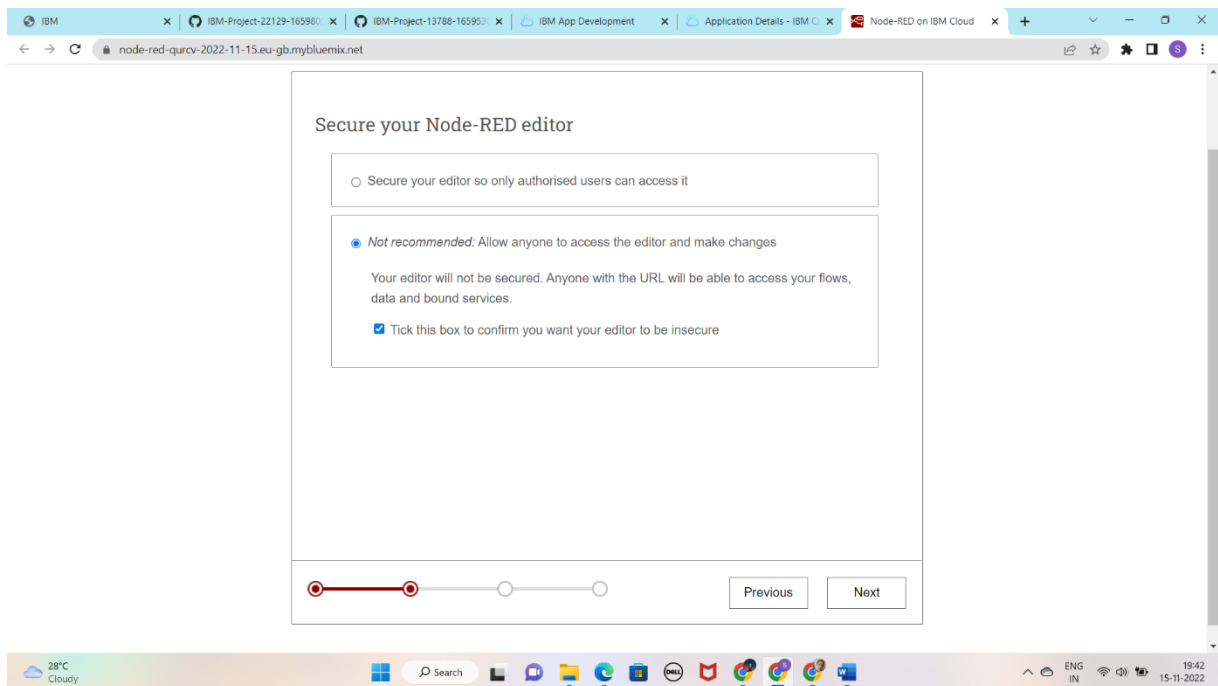
The screenshot shows the Node-RED welcome page in a web browser. The address bar displays the URL: `node-red-qurcv-2022-11-15.eu-gb.mybluemix.net`. The main content area has a heading "Welcome to your new Node-RED instance on IBM Cloud" and a message: "We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:".

- Secure your Node-RED editor
- Learn how to install additional nodes

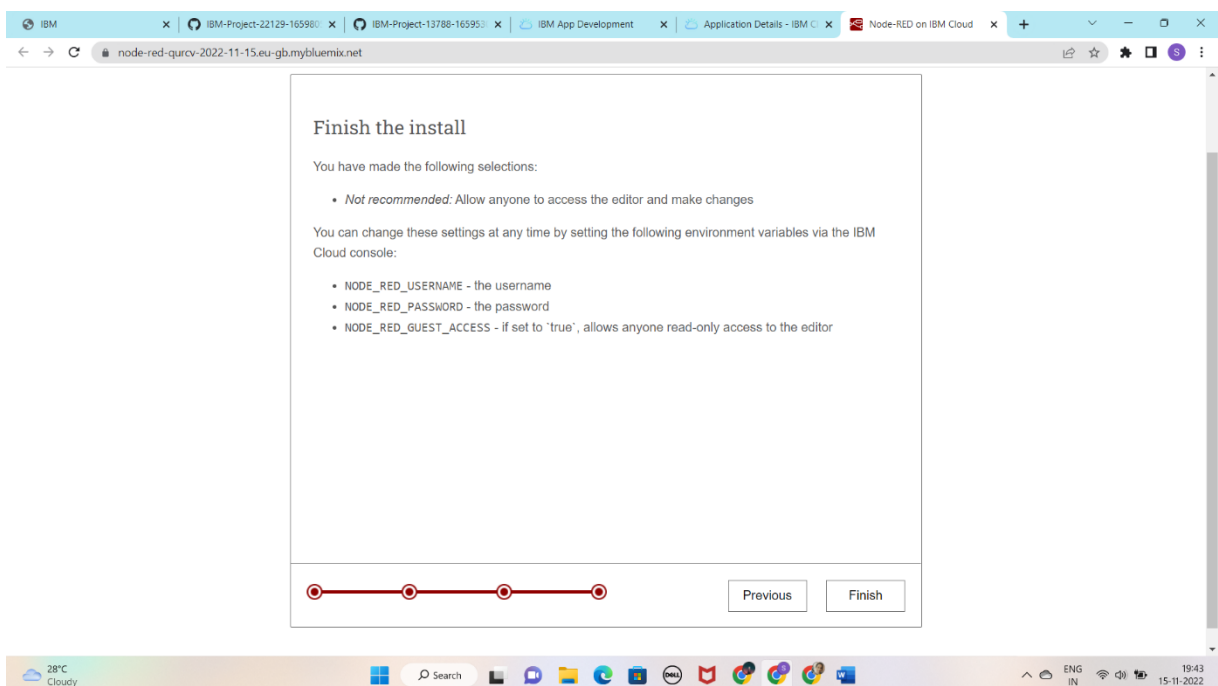
The bottom of the screen shows a Windows taskbar with various application icons and system status information (28°C, Cloudy, 19:41, 15-11-2022).



Select the not recommended and click next.



Now click the finish button.



And click the go to your Node-RED flow editor.

The screenshot shows a web browser window with the URL `node-red-qurcv-2022-11-15.eu-gb.mybluemix.net`. The page has a dark red header with the text "Node-RED" and "Flow-based programming for the Internet of Things". Below the header, there is a light gray section with text describing Node-RED as a programming tool for wiring together hardware devices, APIs, and online services. A prominent red button labeled "Go to your Node-RED flow editor" is visible. Below this button, there is a link to "Learn how to customise Node-RED". Further down, a section titled "Customising your instance of Node-RED" explains that the instance is running as an IBM Cloud application and provides instructions on how to customize it, such as adding HTTP authentication.

The screenshot shows the Node-RED flow editor interface. The main workspace displays a flow named "Flow 1" with two nodes: "Hello Node-RED!" and "msg.payload". A "Welcome to Node-RED 2.2!" dialog box is centered on the screen, prompting the user to take a moment to discover new features. The left sidebar contains a palette of nodes categorized into "common" and "function". The right sidebar shows the "info" panel with a search bar and a list of flows, including "Flow 1". The bottom status bar indicates the system temperature as 28°C and the date as 15-11-2022.

Now finally we created the NODE-RED and we can see work flow Editor.

