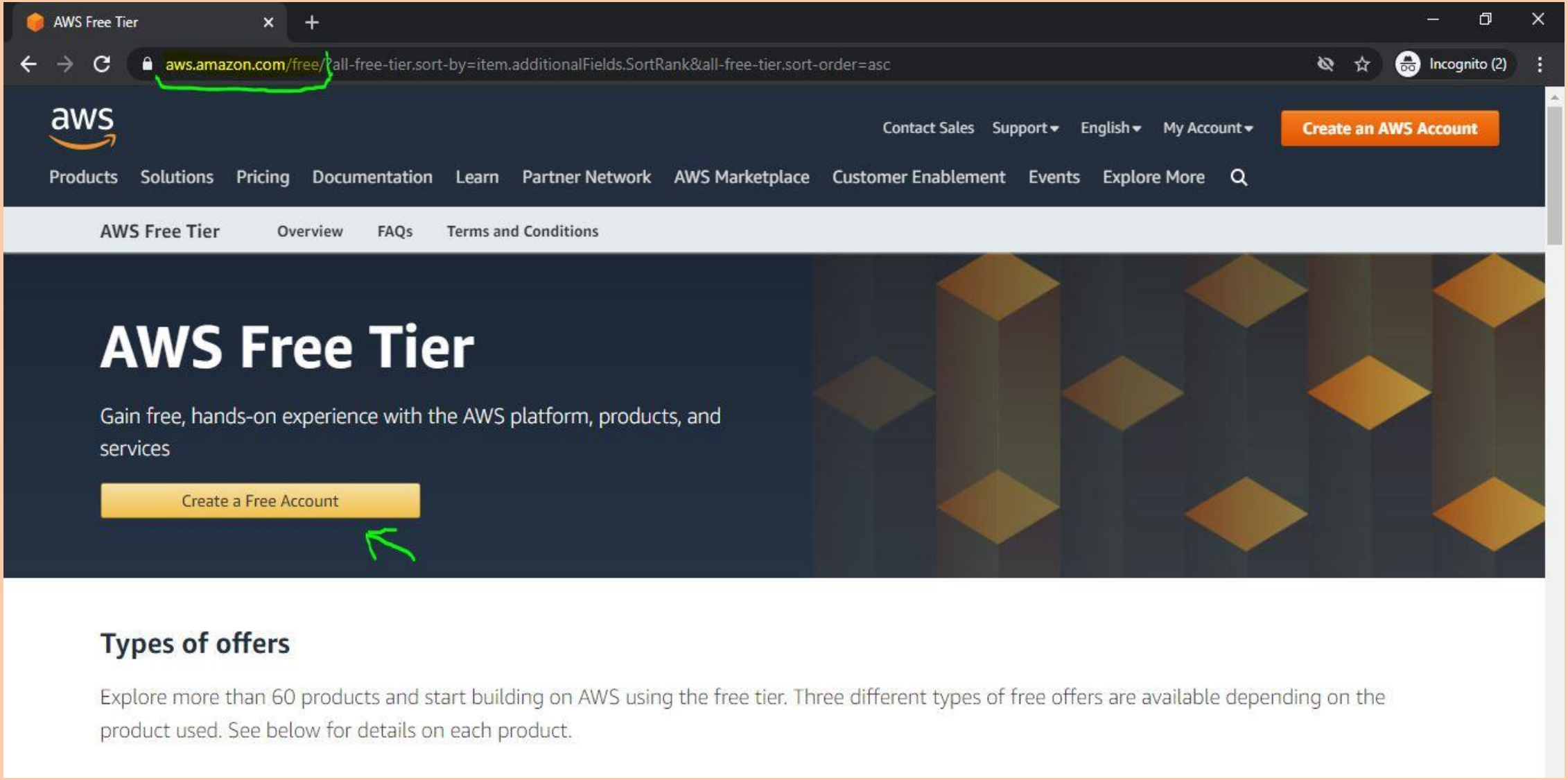
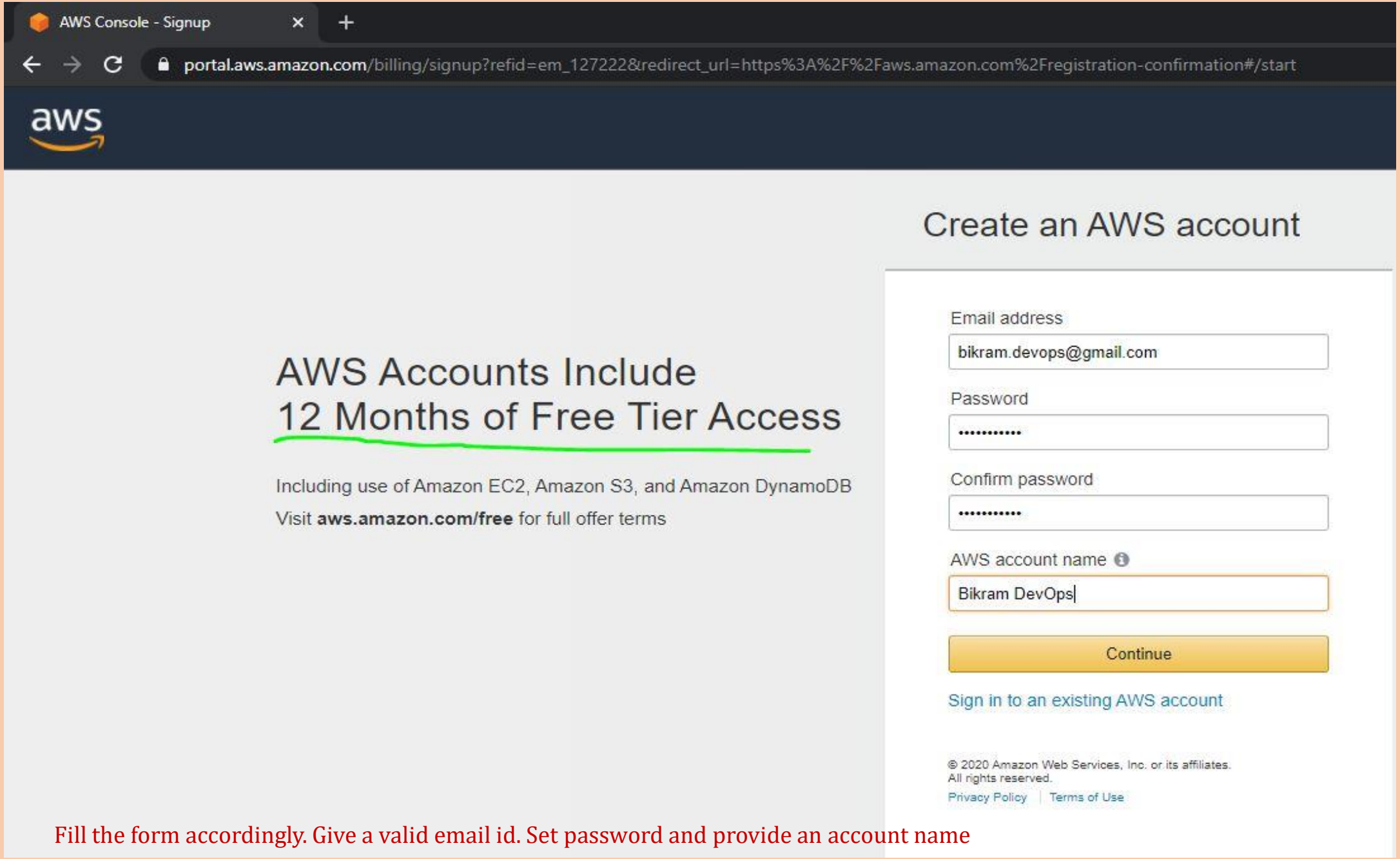
How To Document.

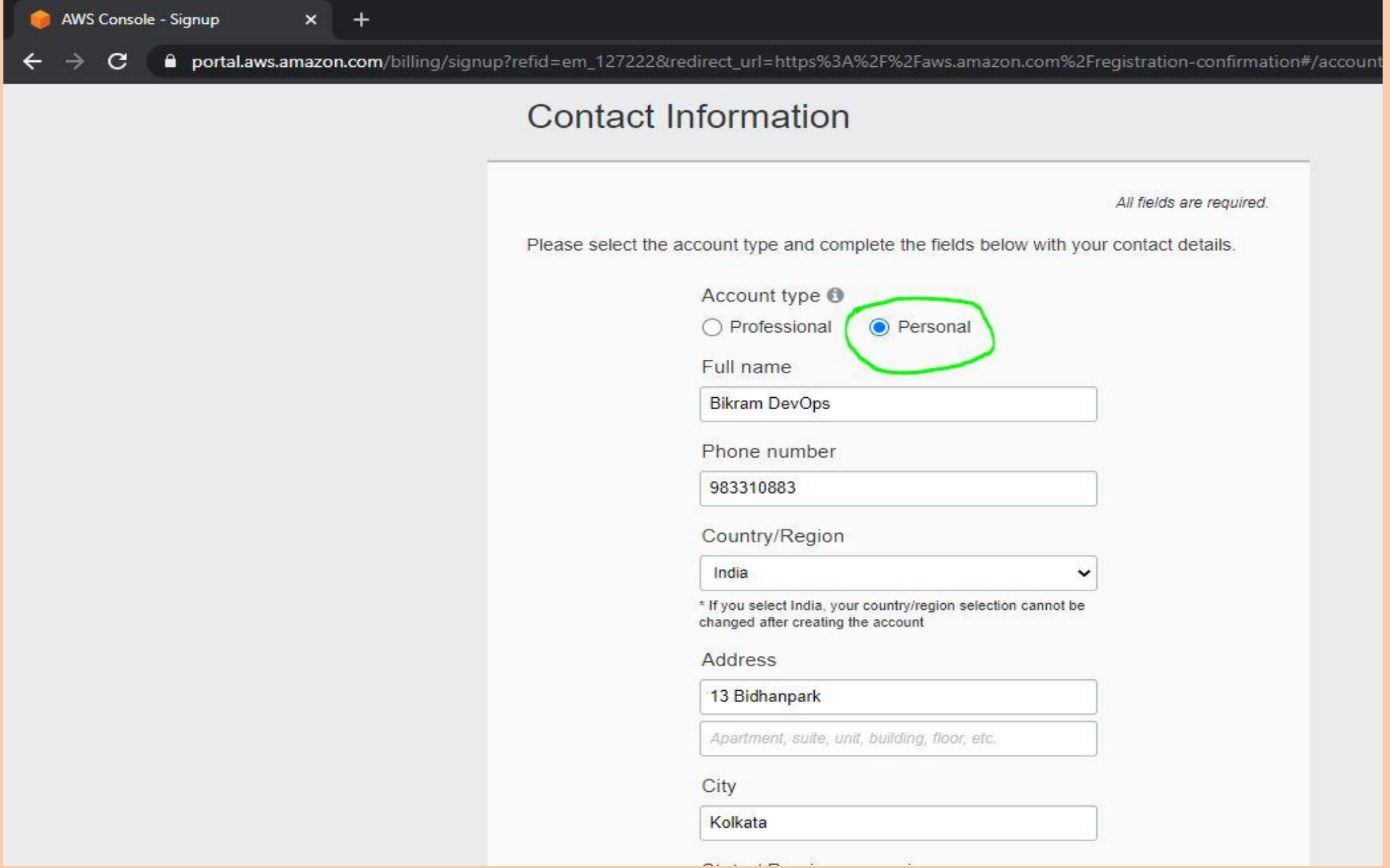
- ✓ How to create AWS Account in AWS website.(Free account/tier).
- ✓ How to create ssh key from EC2 Dashboard.
- ✓ How to launch an instance using CloudFormation tool using customize template.
- ✓ How to login to an instance using putty client.
- ✓ How to login to in instance from Command prompt / Terminal using ssh command.



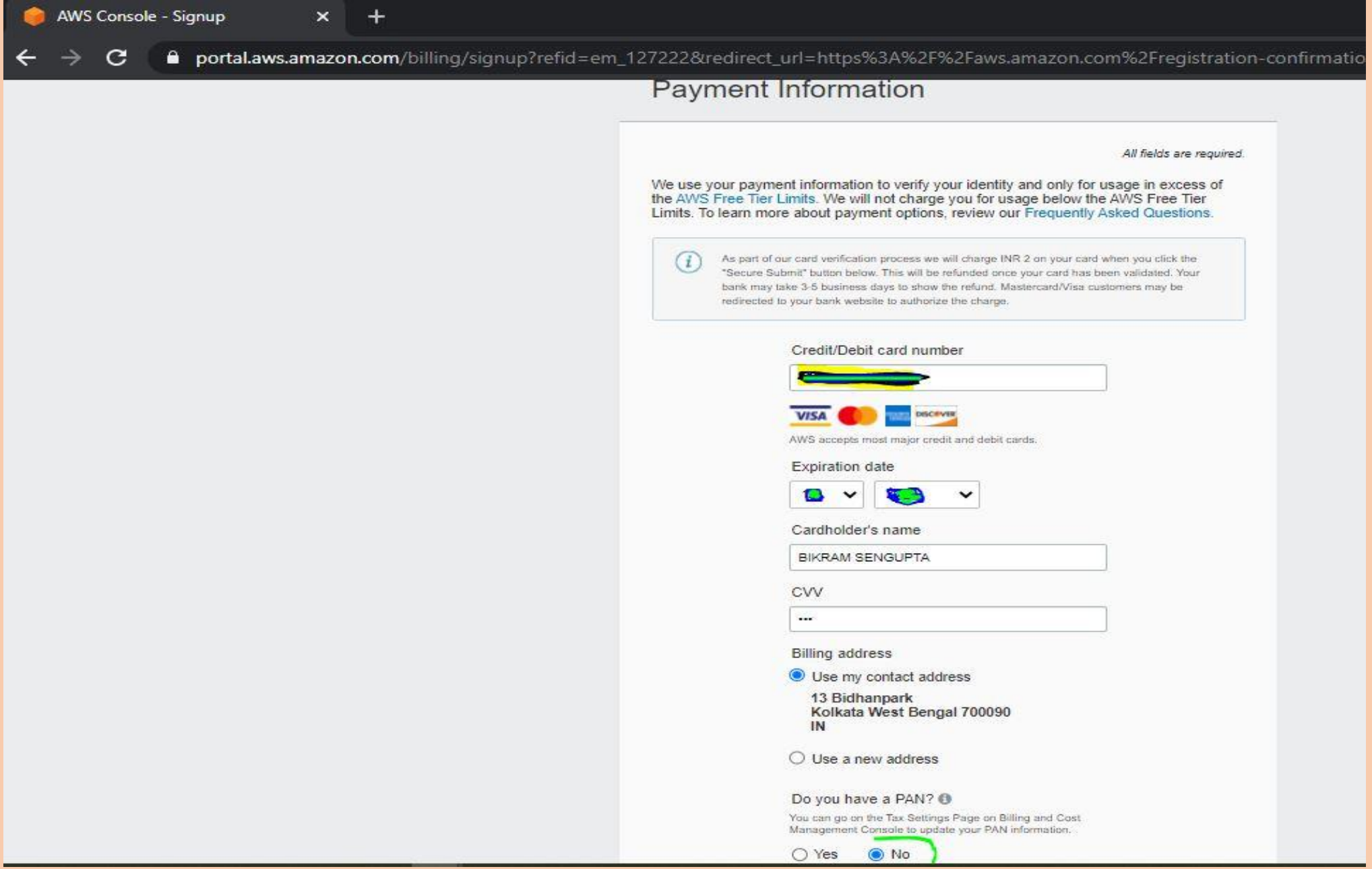
Go to the URL https://aws.amazon.com/free from your browser and click on **Create a Free Account.**



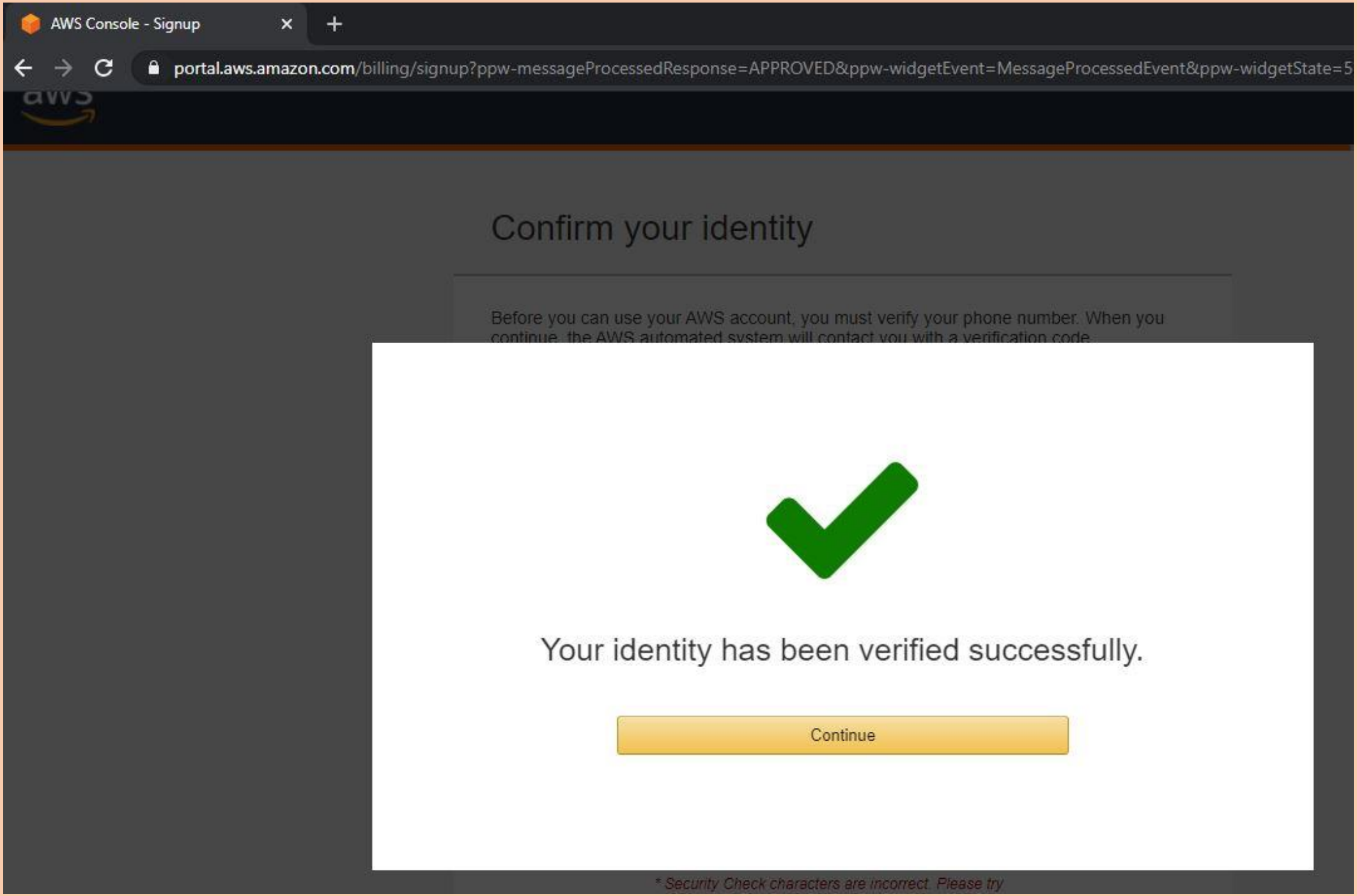
Fill the form accordingly. Give a valid email id. Set password and provide an account name

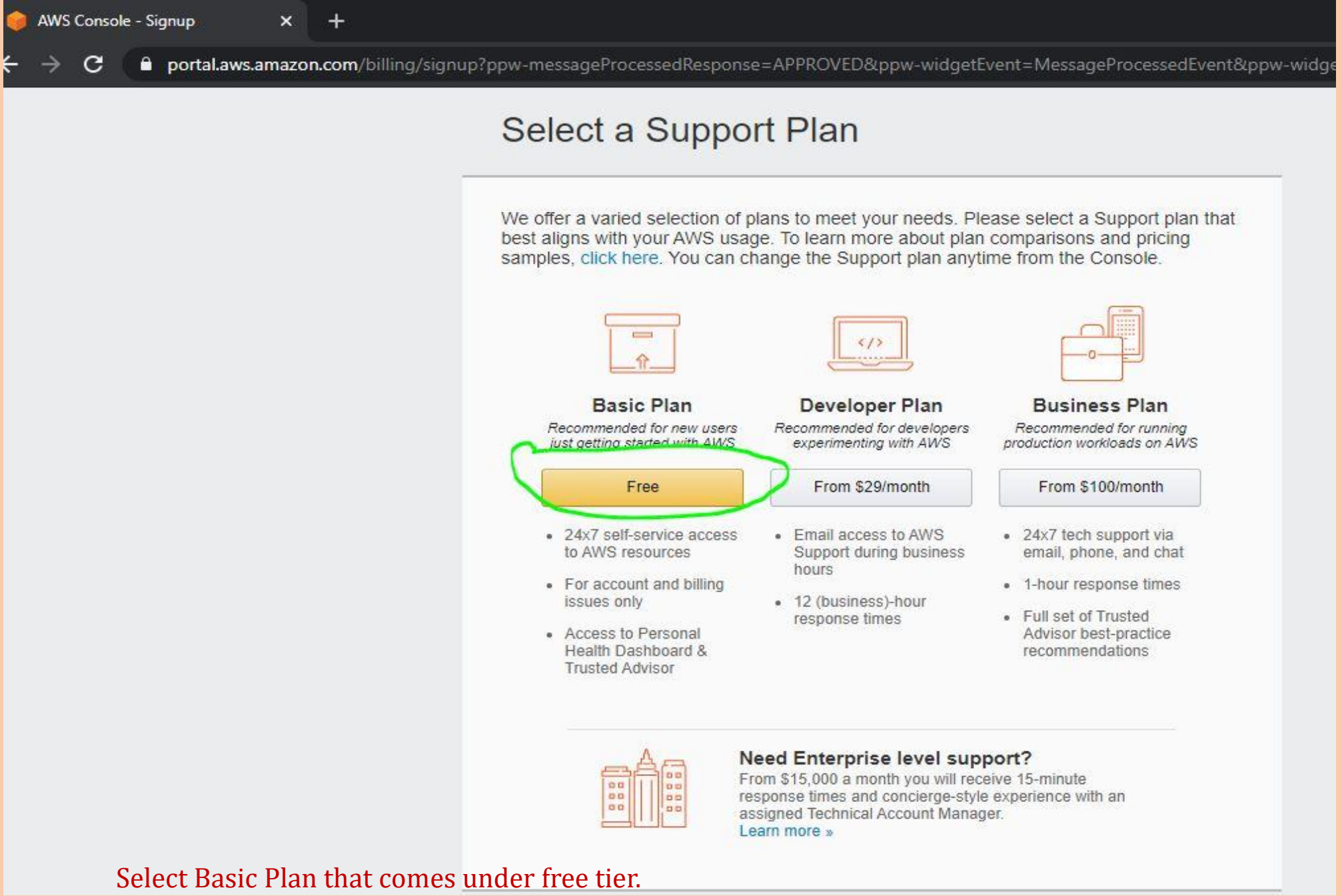


Select account type as personal and provide a valid phone number and address details.

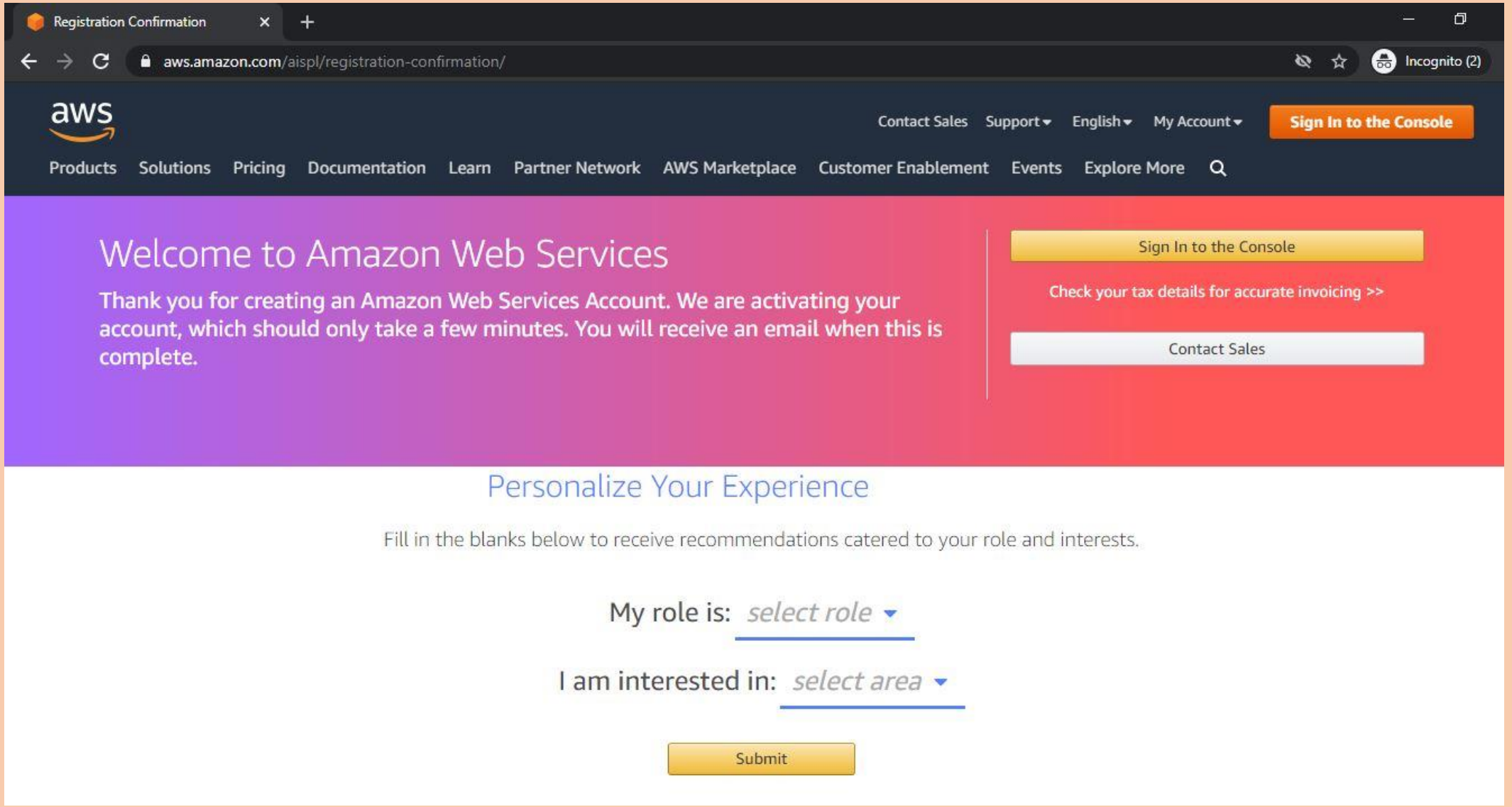


For ID verification and account registration you need to provide your credit card details. You will receive an OTP to continue.

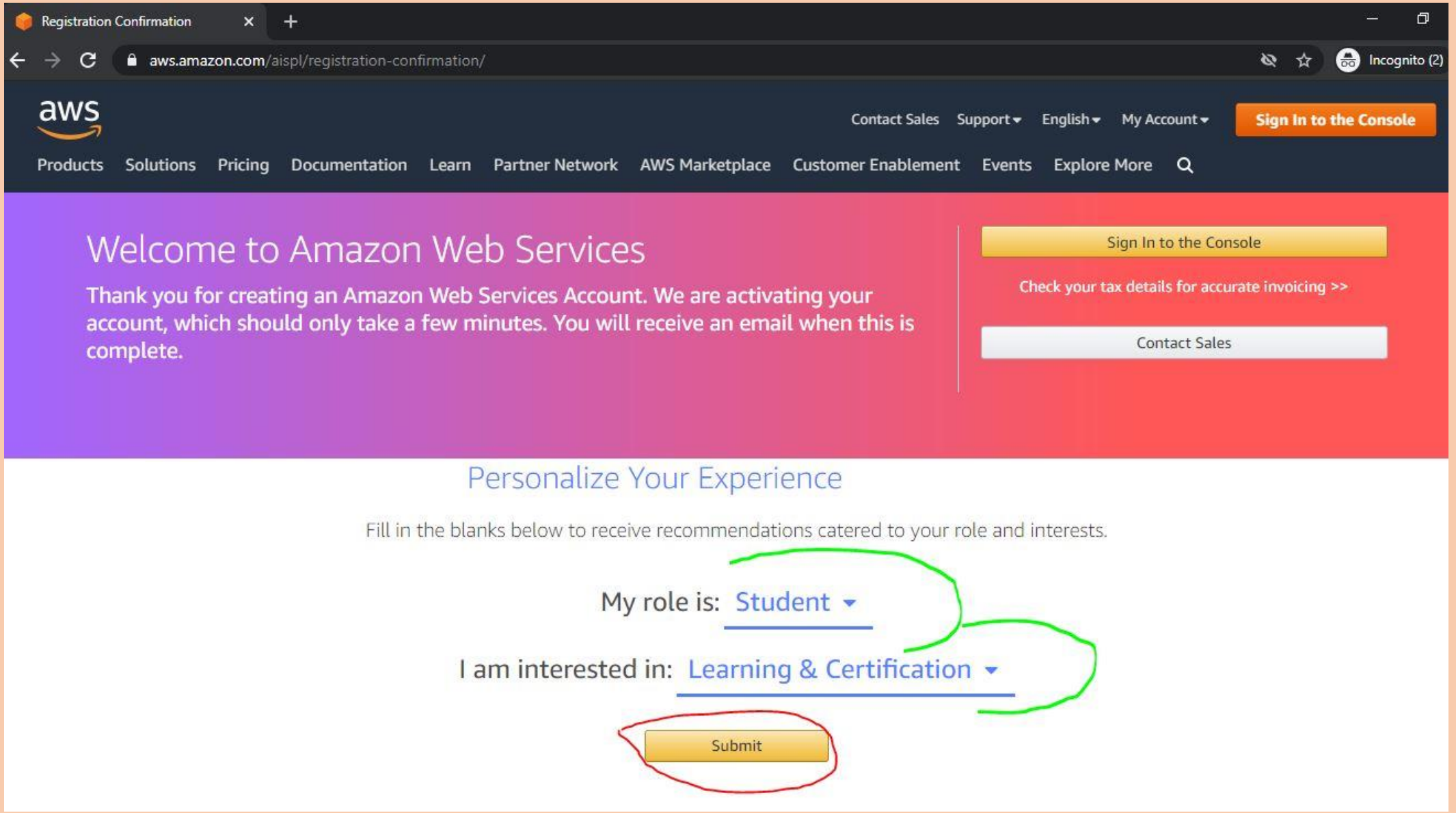

AWS Console - Signup
portal.aws.amazon.com/billing/signup?ppw-messageProcessedResponse=APPROVED&ppw-widgetEvent=MessageProcessedEvent&ppw-widgetState=5
Confirm your identity
Before you can use your AWS account, you must verify your phone number. When you
Your identity has been verified successfully.
Continue
* Security Check characters are incorrect. Please try



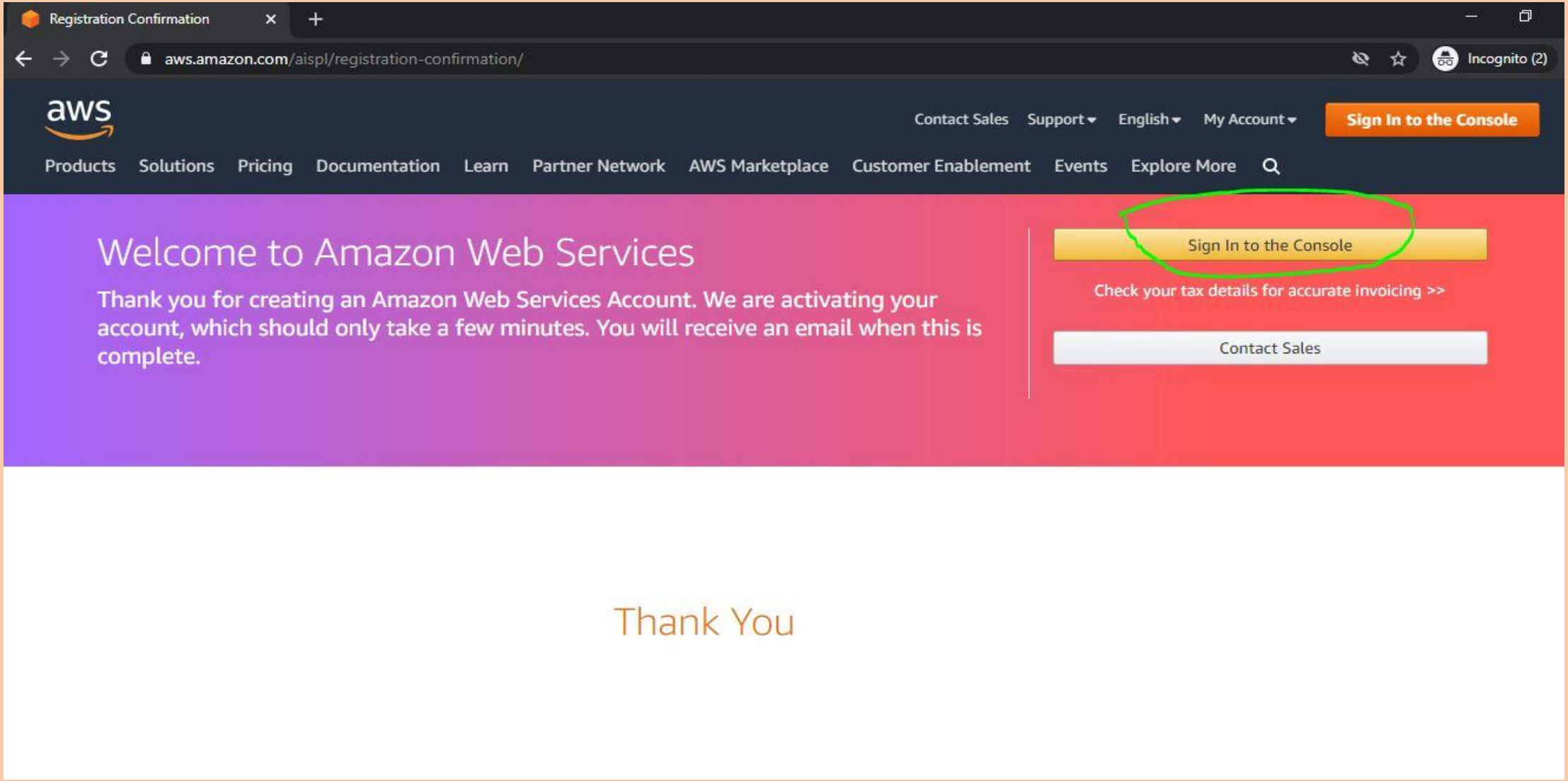
Select Basic Plan that comes under free tier.



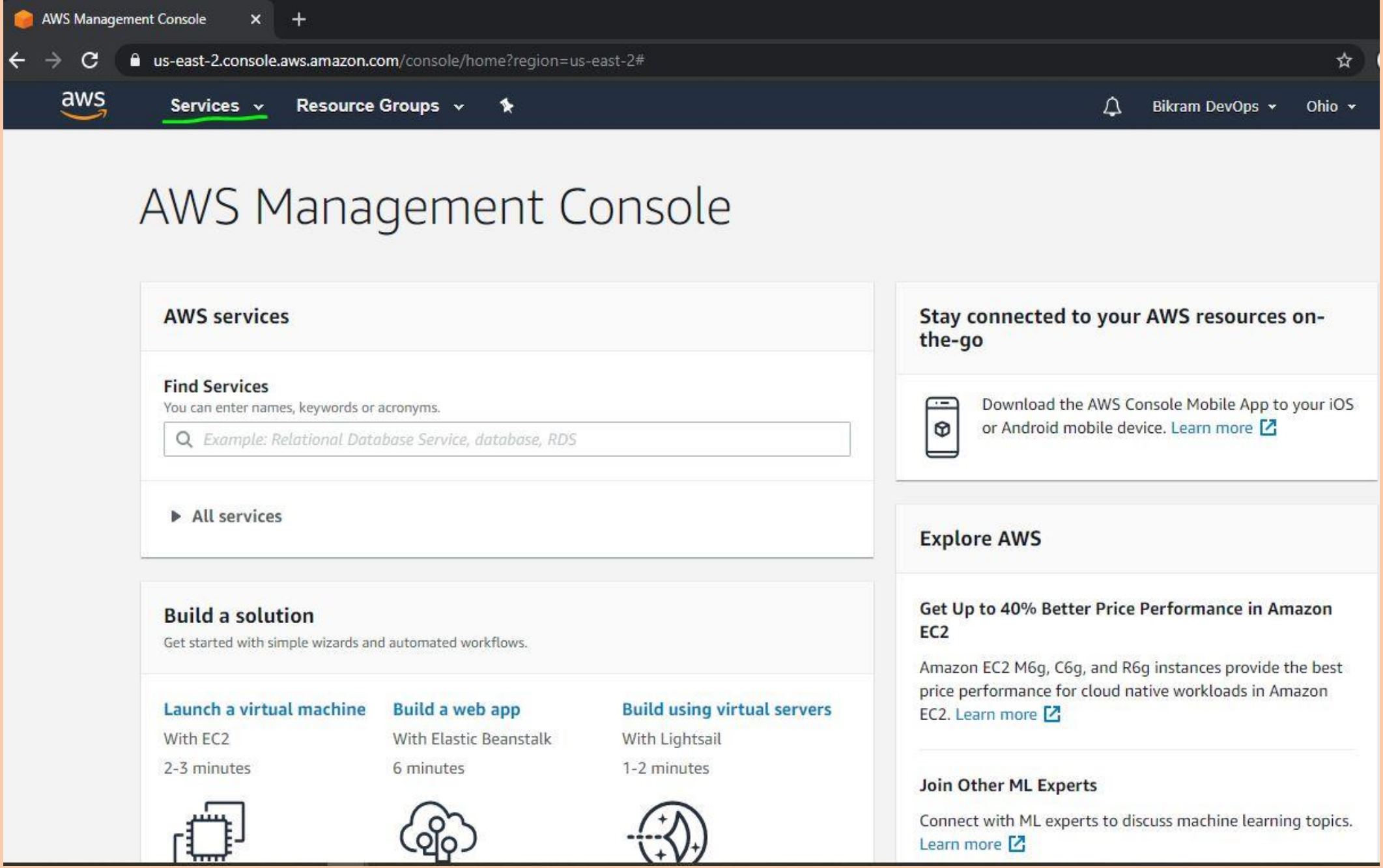
In this screen you can personalize your experience by choosing your role and your interest such as DevOps etc.



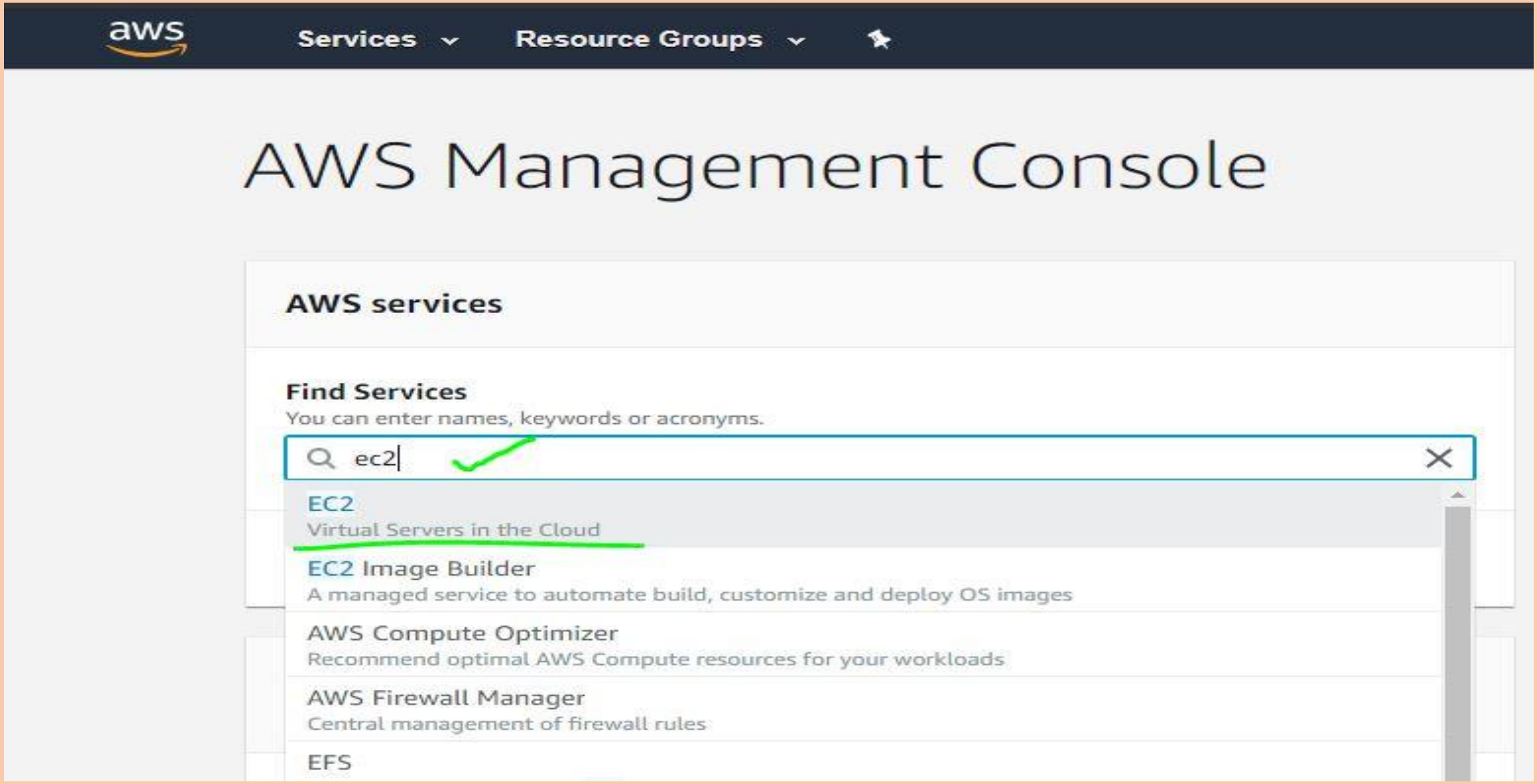
Select your role as Student . (As we are using this for learning purpose only)



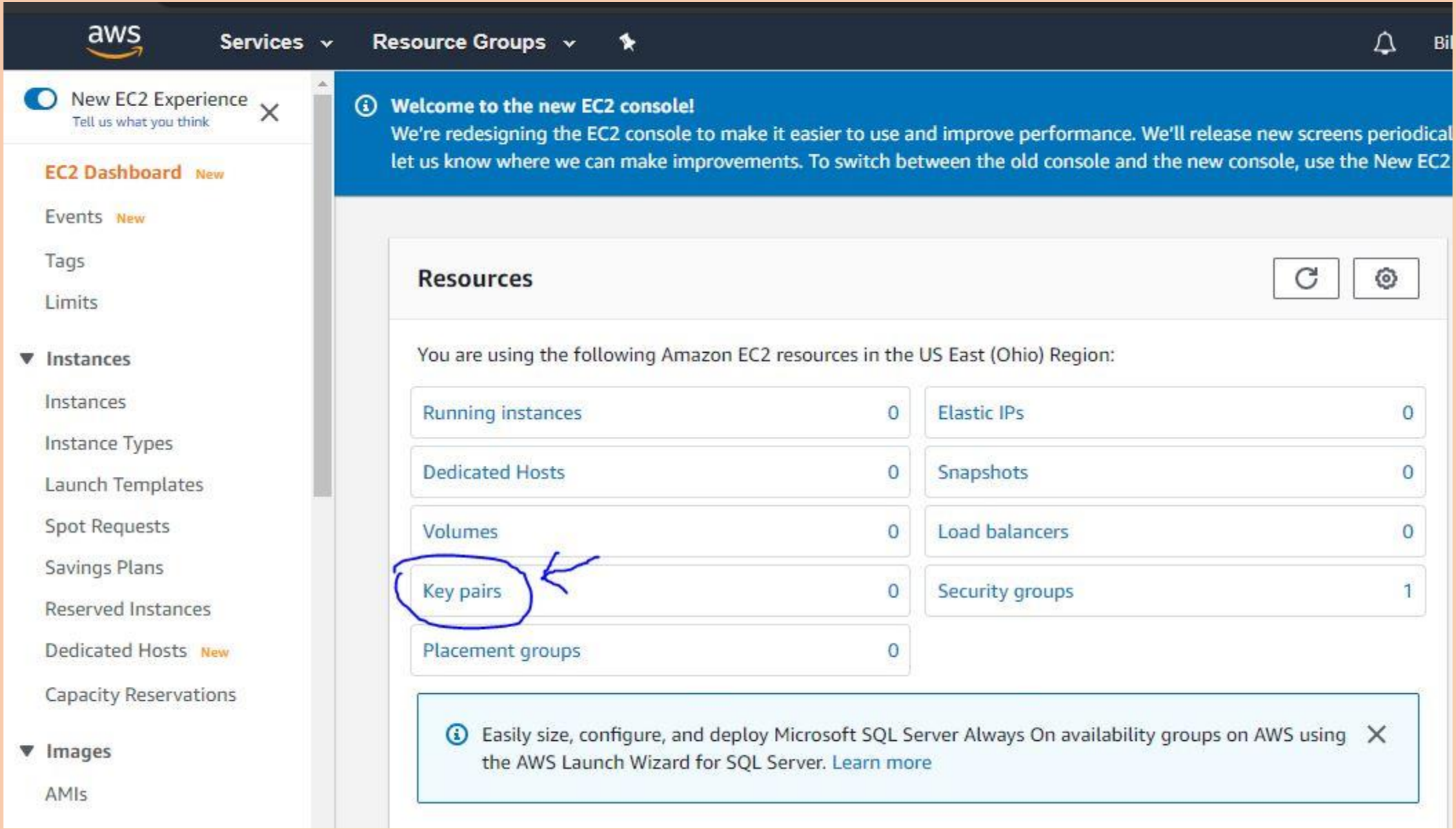
Click on the ***Sign in to the Console***



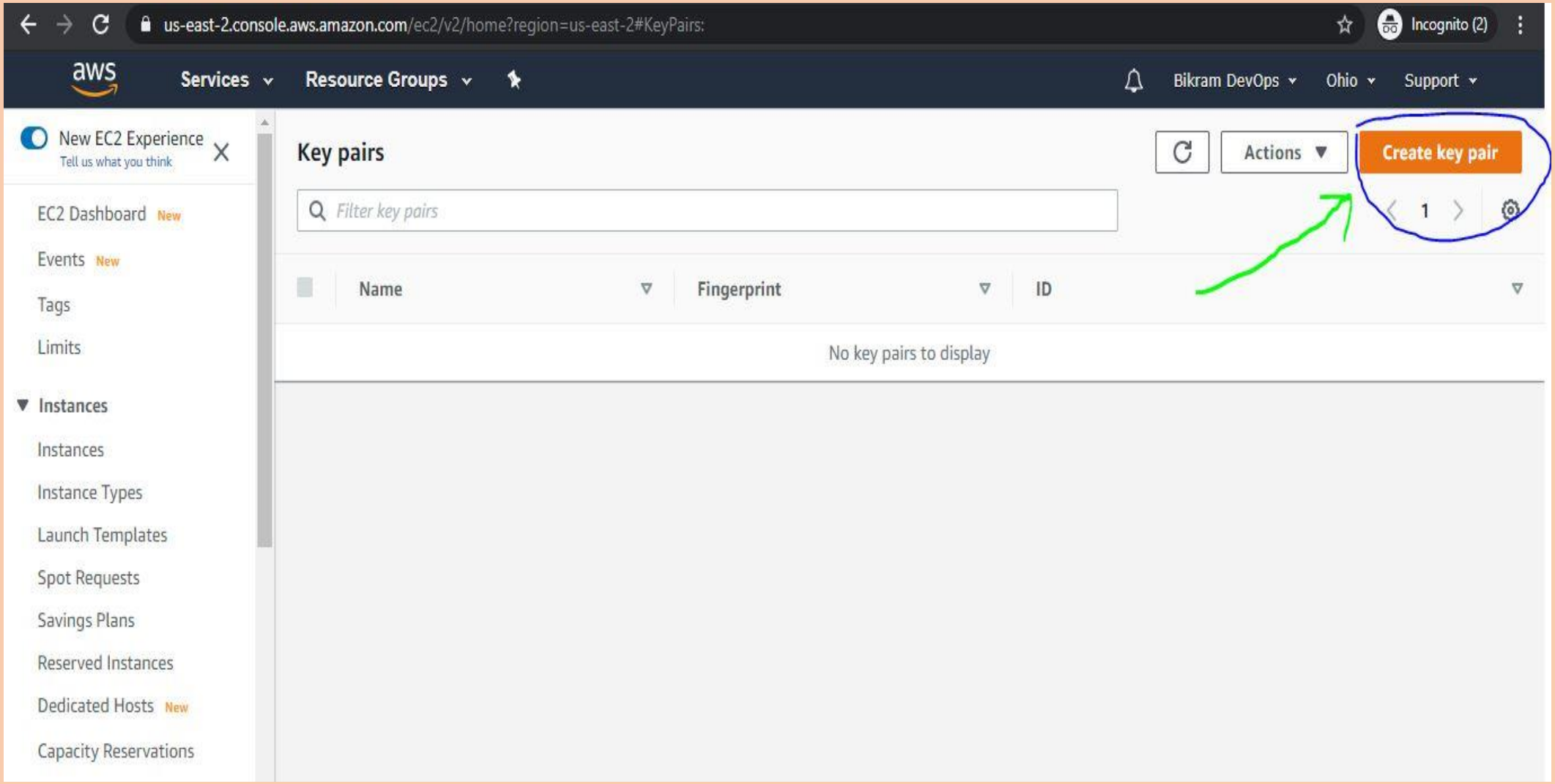
You will land to this page after login into the console. Click on the services to see the AWS services.



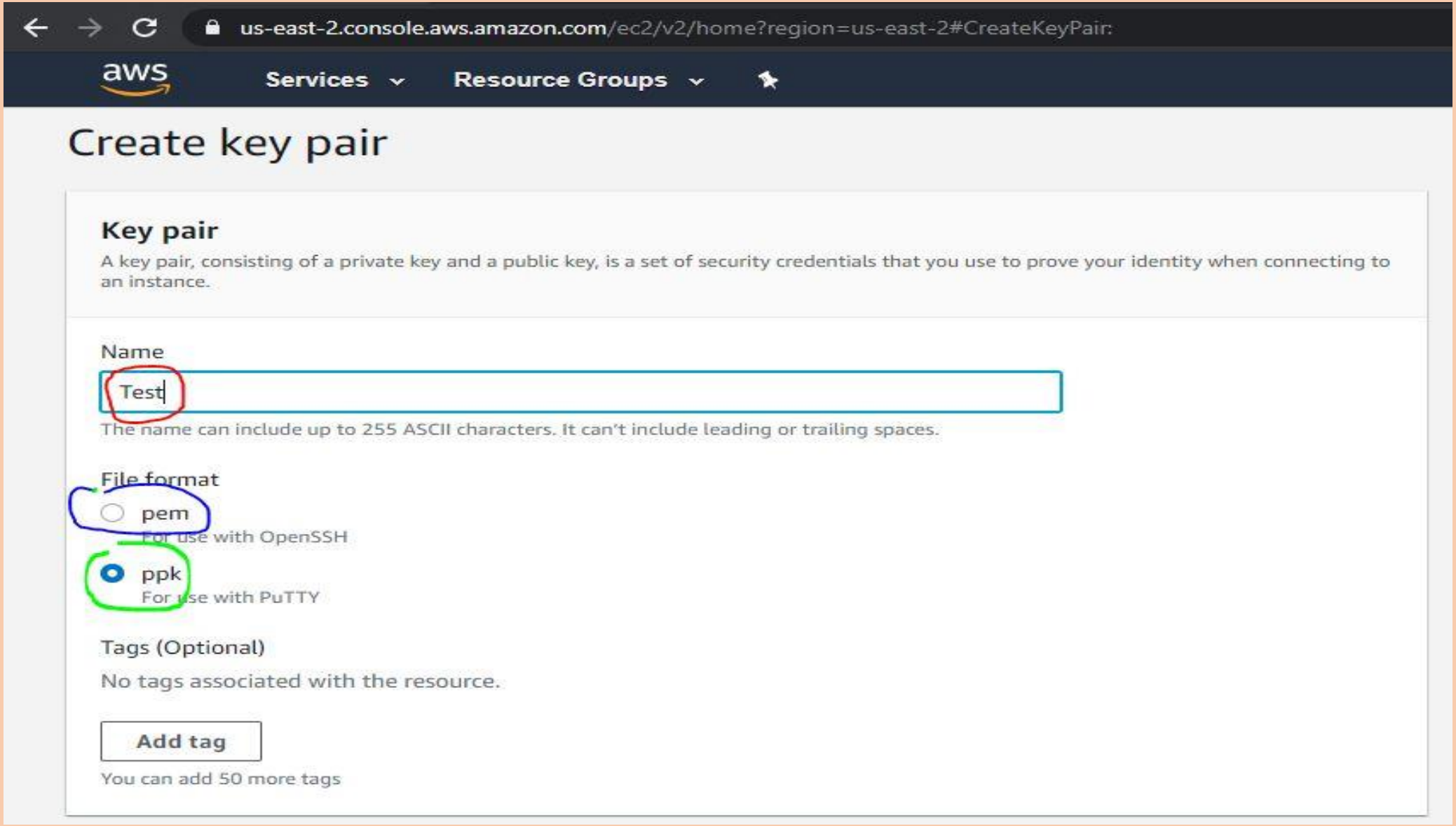
In Services section search **EC2** and ***click*** on that.



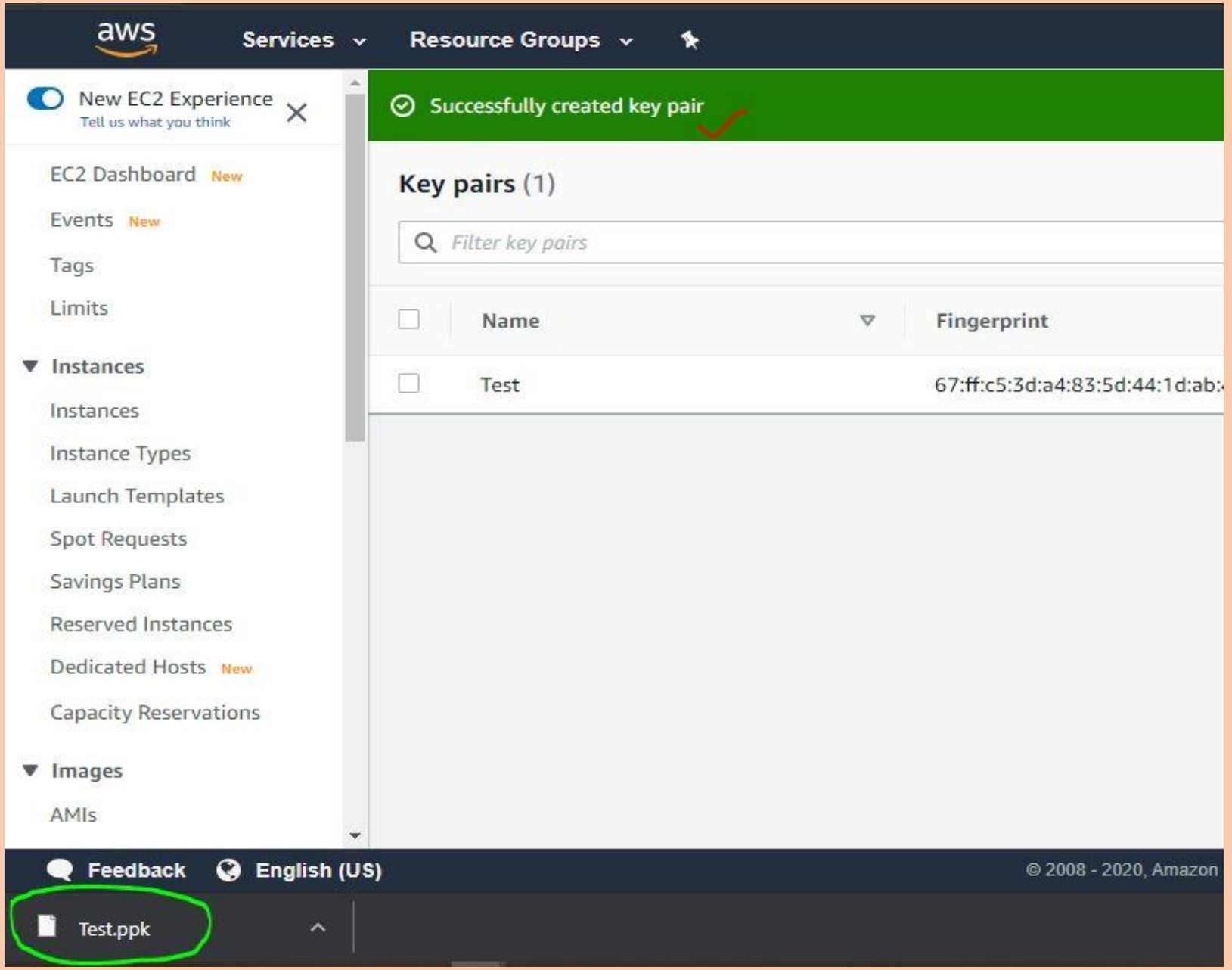
After clicking on **EC2** you will land to this page. Now click on the ***Key Pairs***



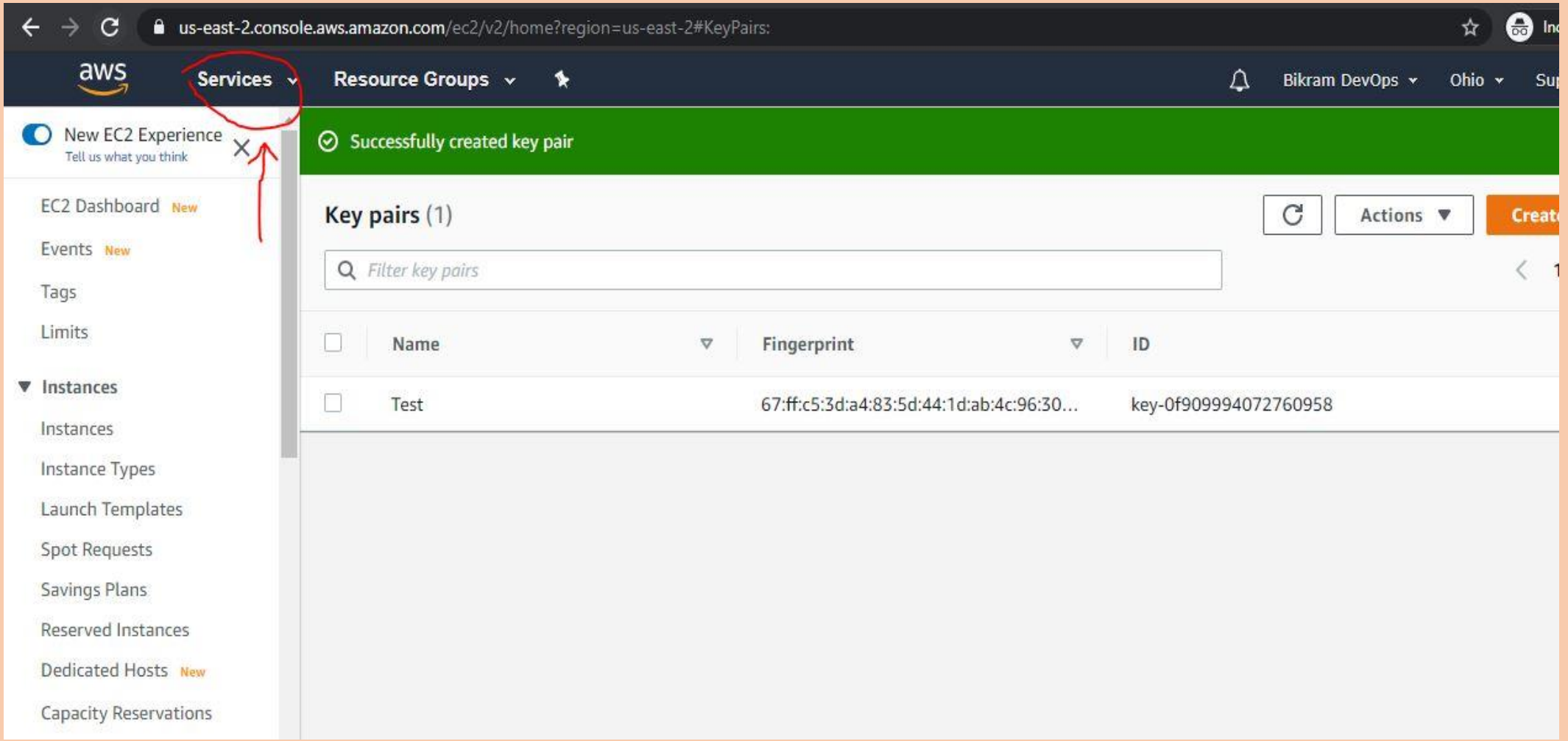
Click on the ***Create key pair*** as shown in this picture



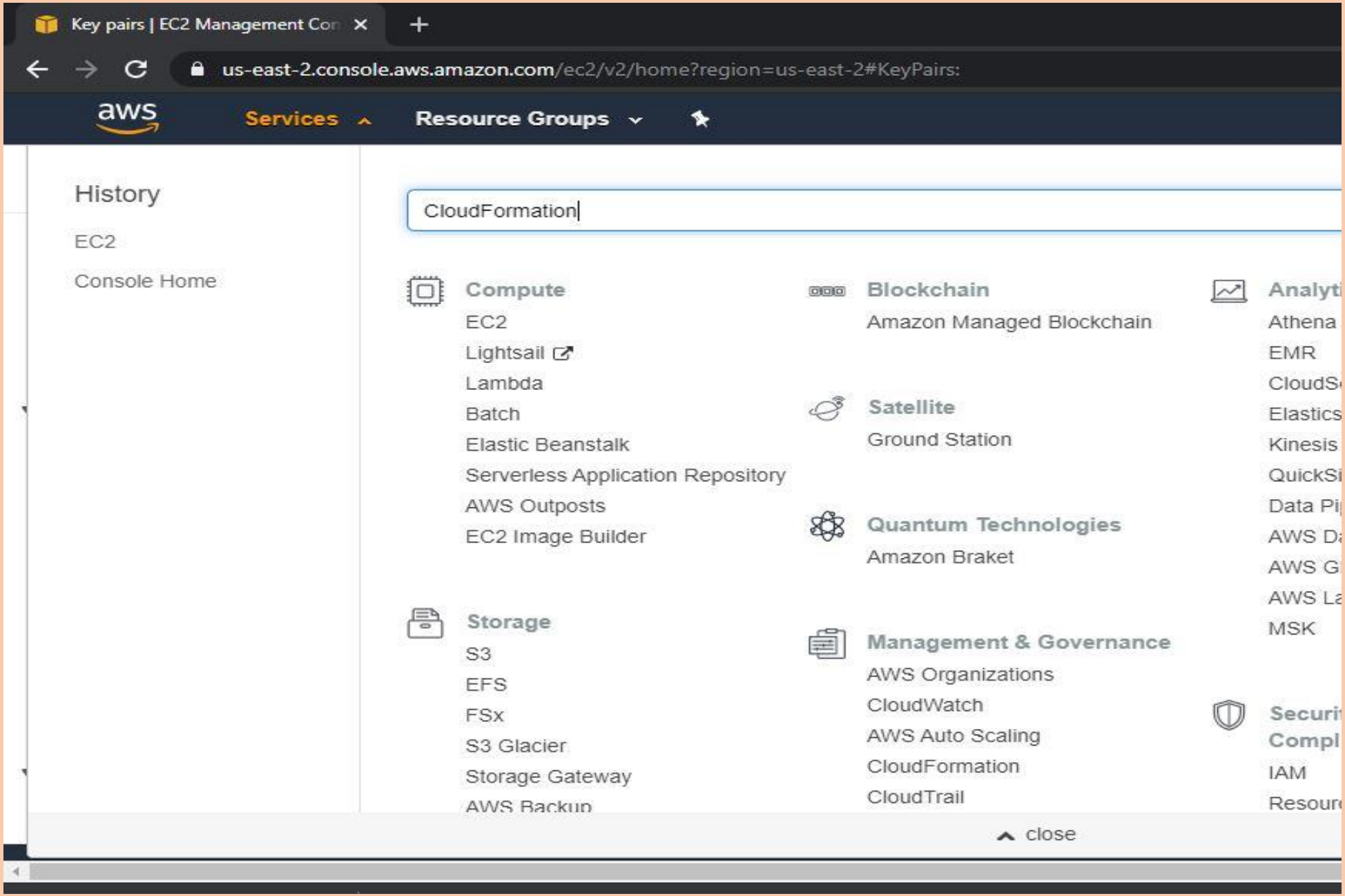
Provide a name. ***Select*** a file format. ***1***. ***.pem*** --> For Windows (cmd,powershell) /Mac (terminal) / Linux OS user.
2. ***.ppk*** --> For Putty (putty) Client



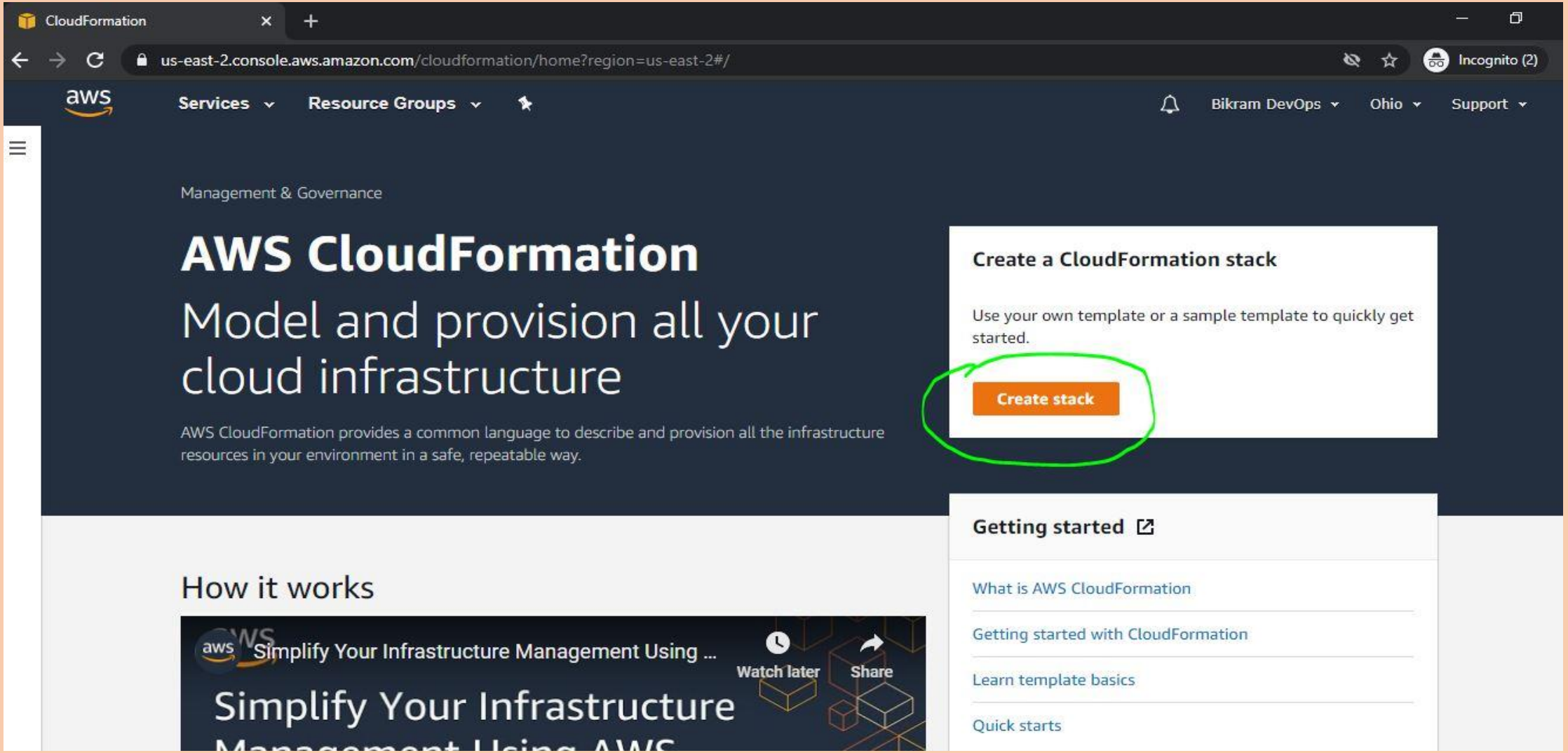
Once you click create , the ppk or pem file will be downloaded and it will show its successful creation status



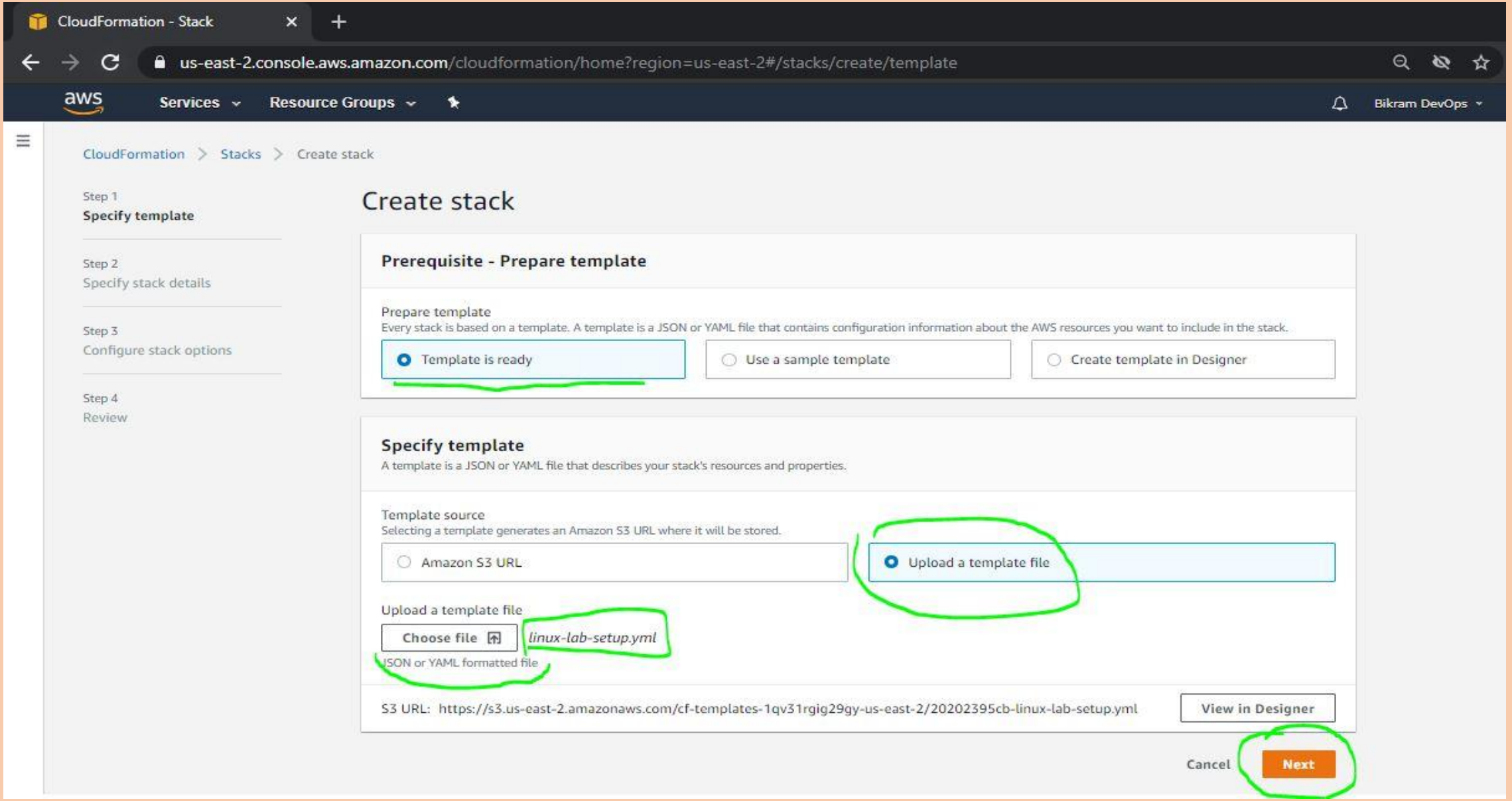
Now Click on the services again.



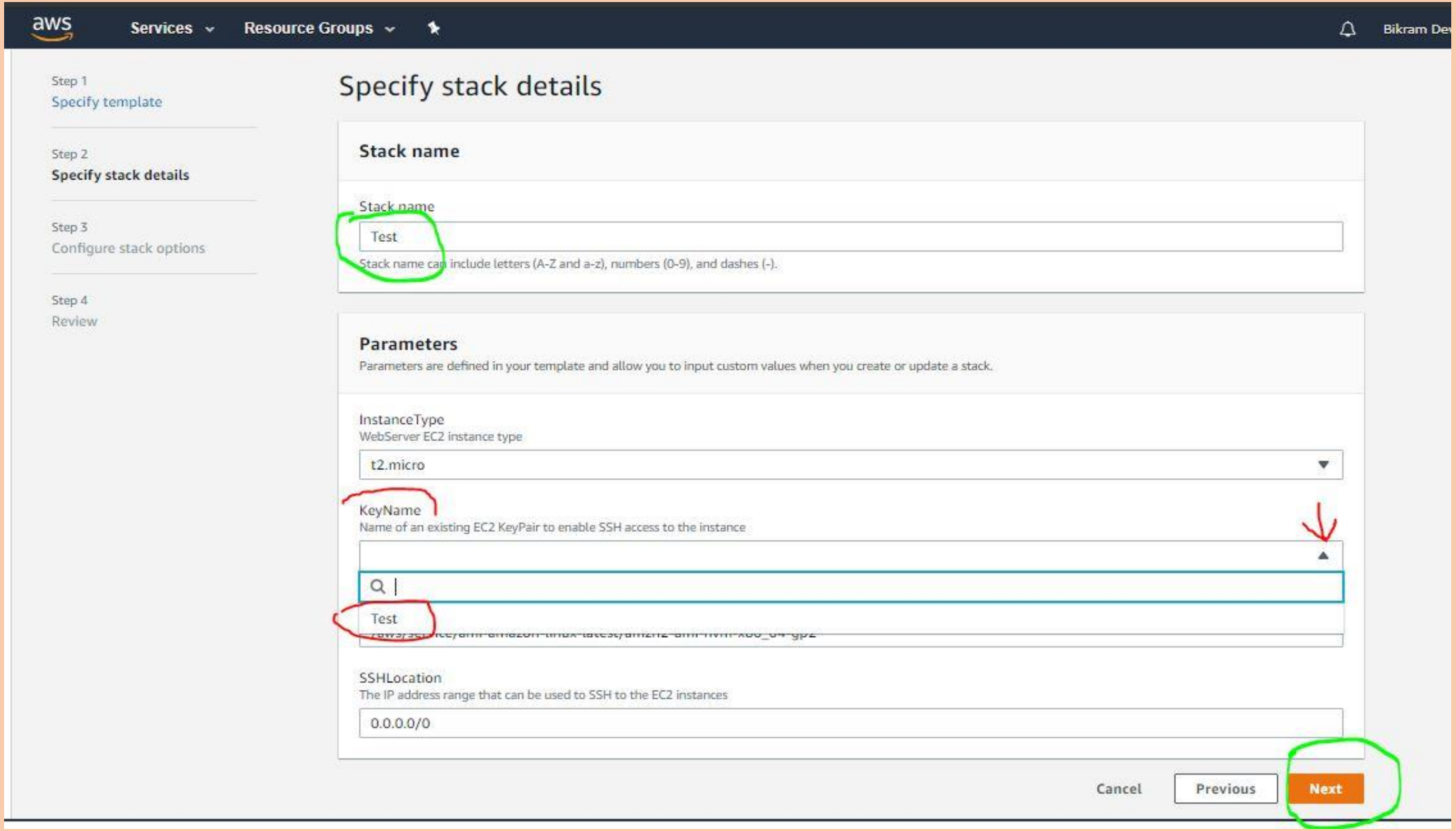
In search bar type ***CloudFormation*** and click on that.



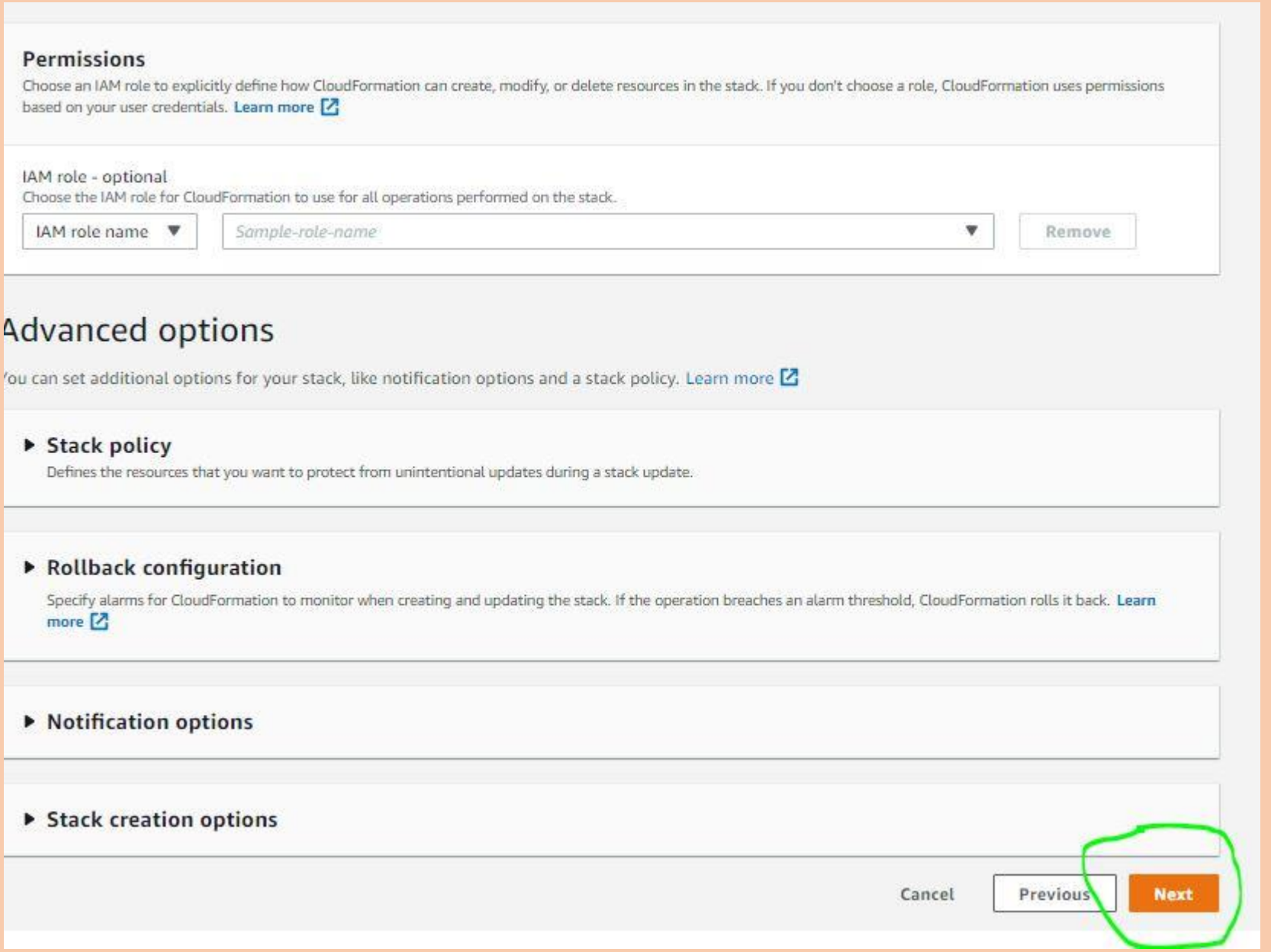
Click on the ***Create stack***



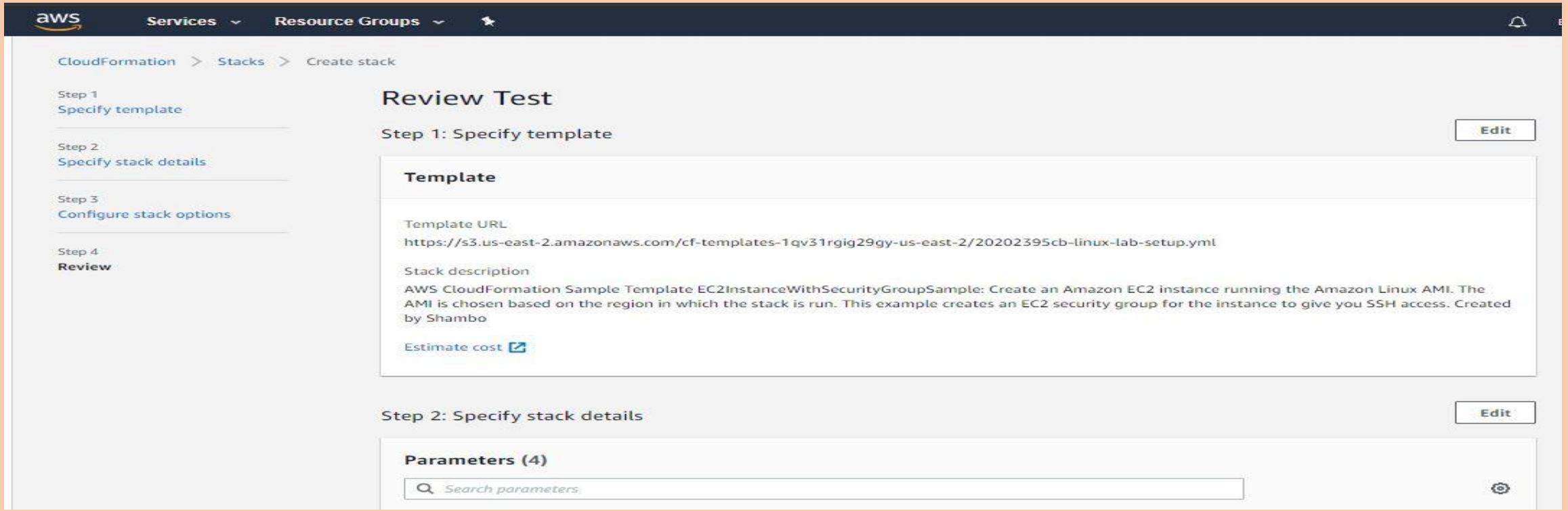
Select options as shown in the picture and click on next. The ***Template*** can be found at your **Training Portal. (**you need to upload the file here before clicking the **next)**



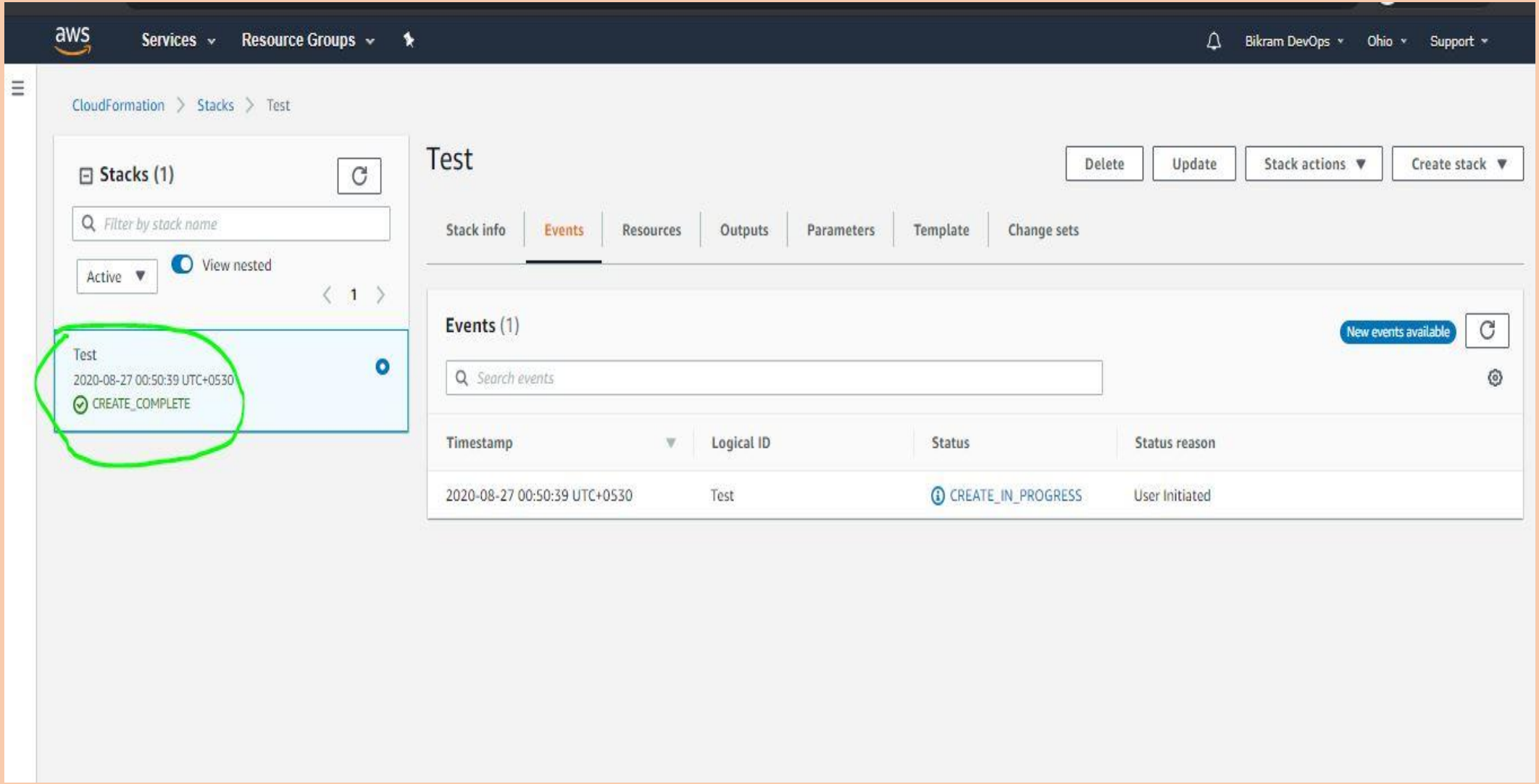
In this page you have to 1. give a **Stack name.** 2. Select the **key** at **KeyName** section. **key that you created. Click **Next**



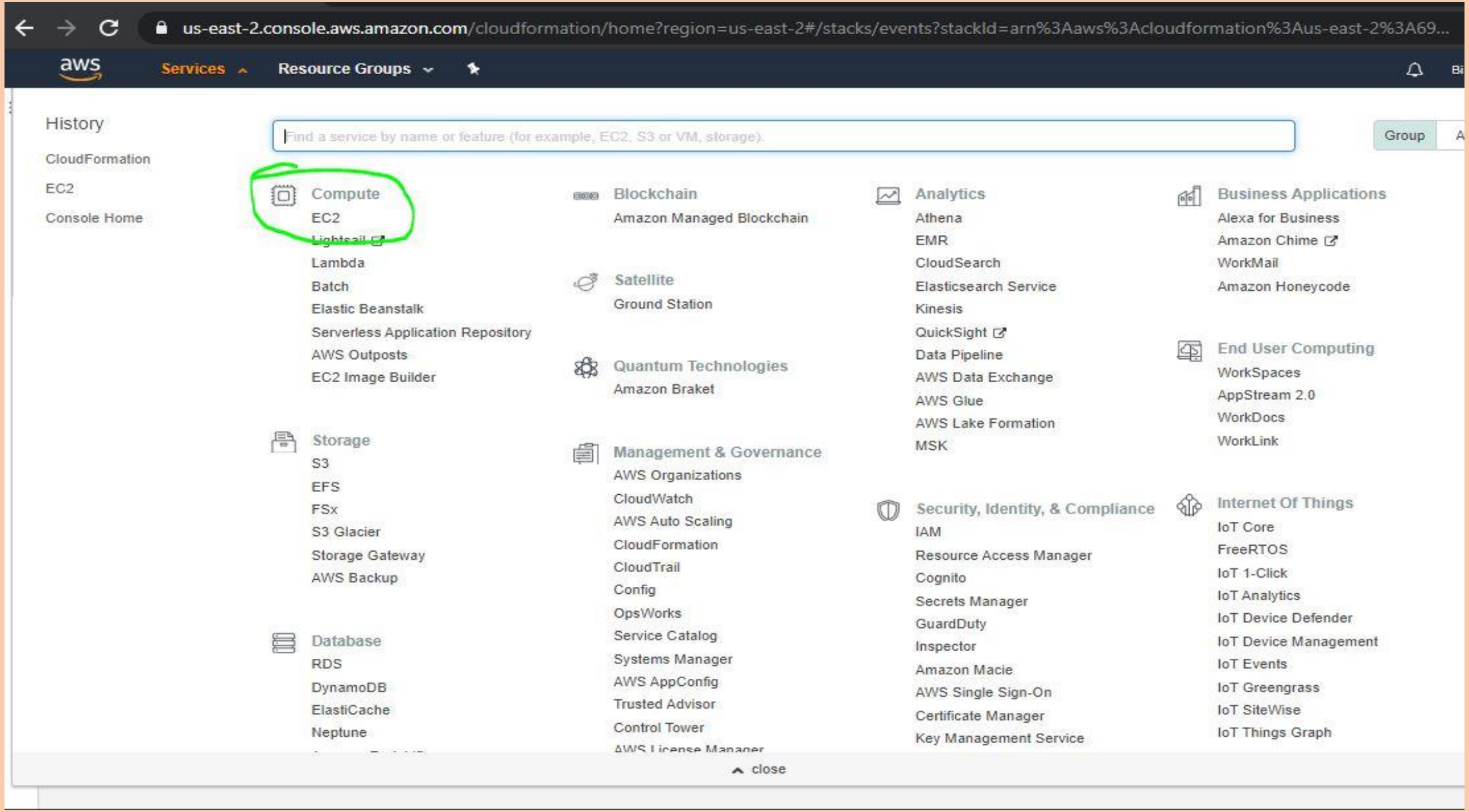
Keep everything as default here and click on the **Next** tab.



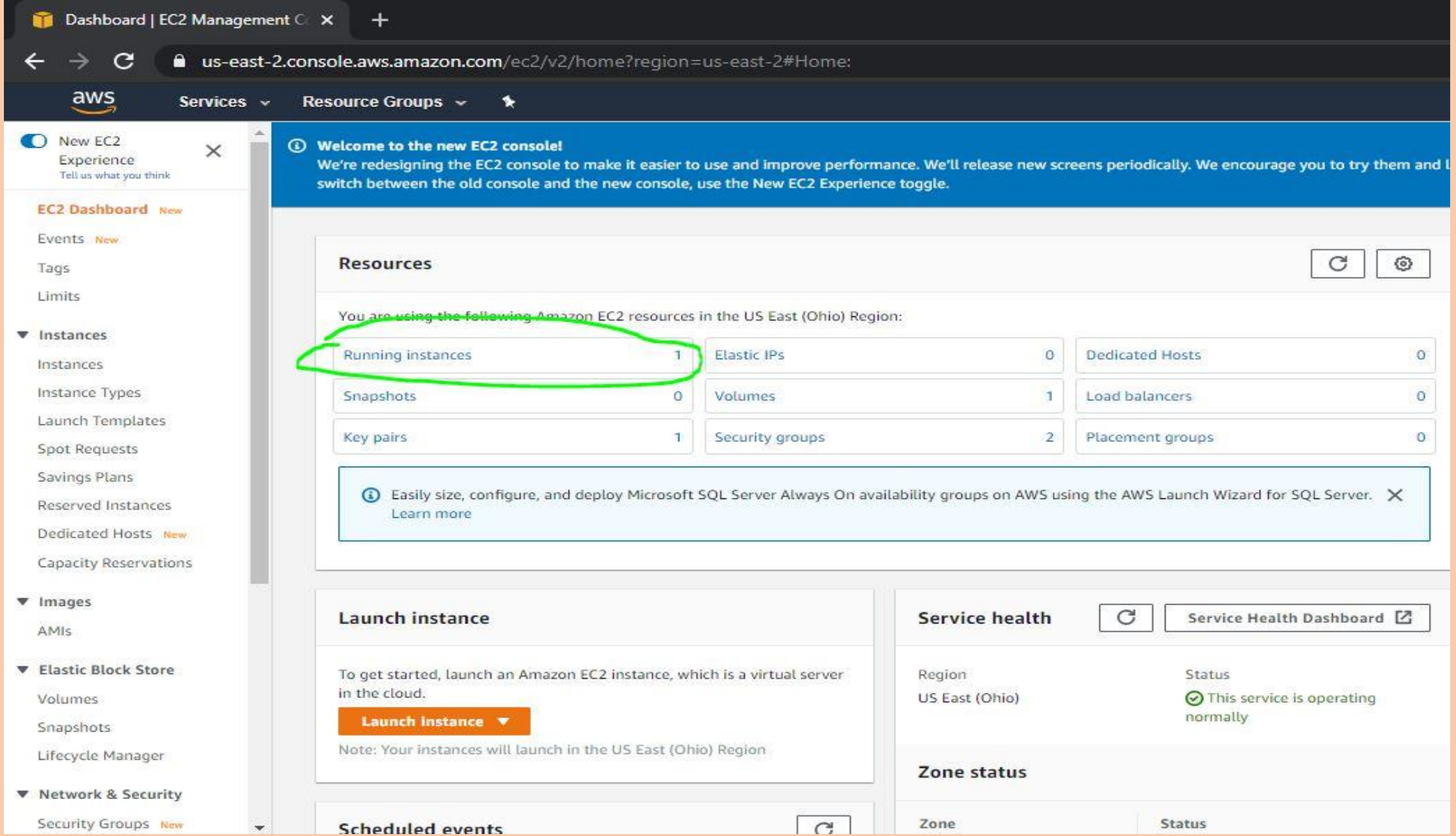
Keep everything as it is and click on the ***Create Stack***



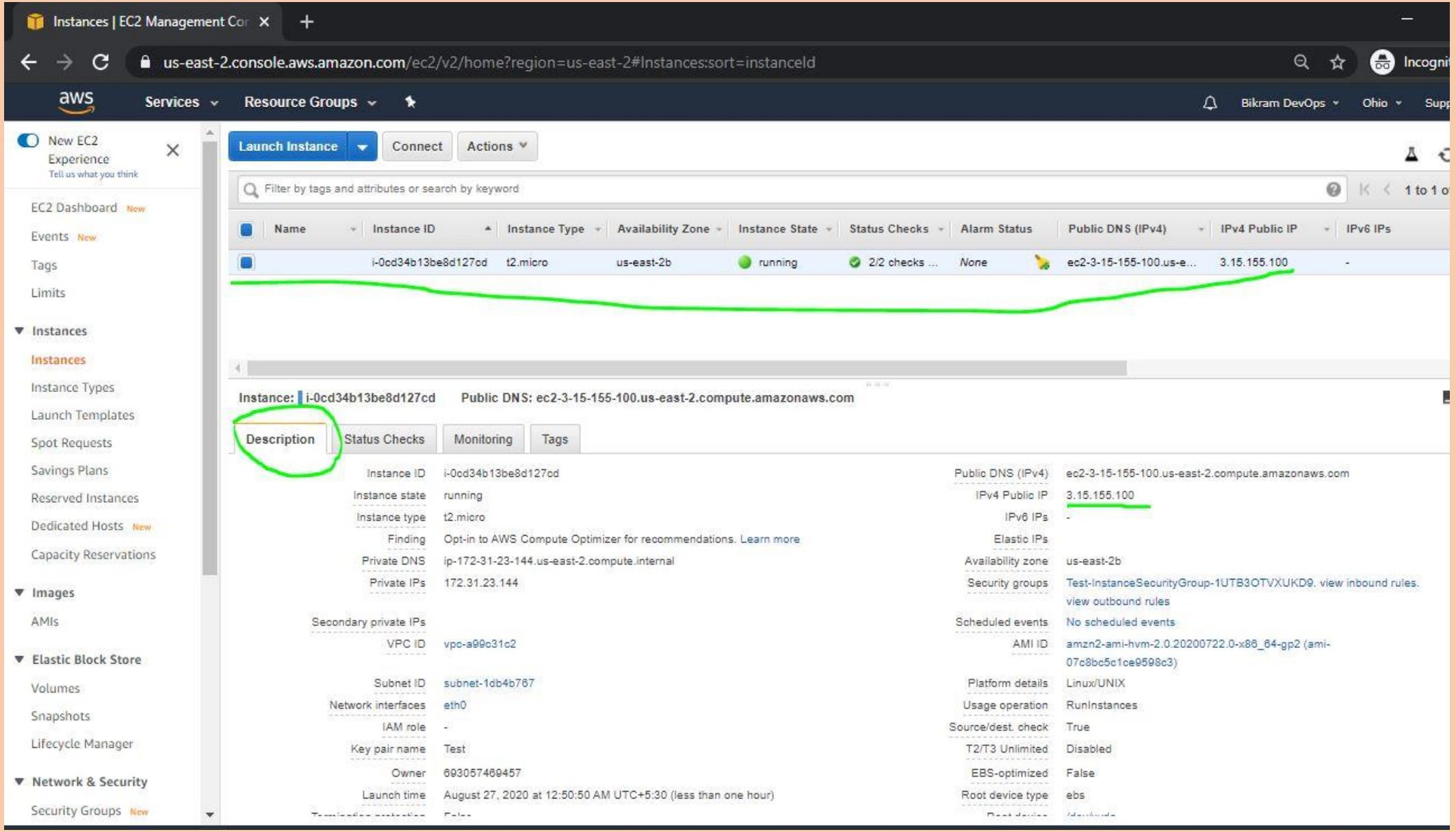
It will show the progress of launching the template /stack creation .



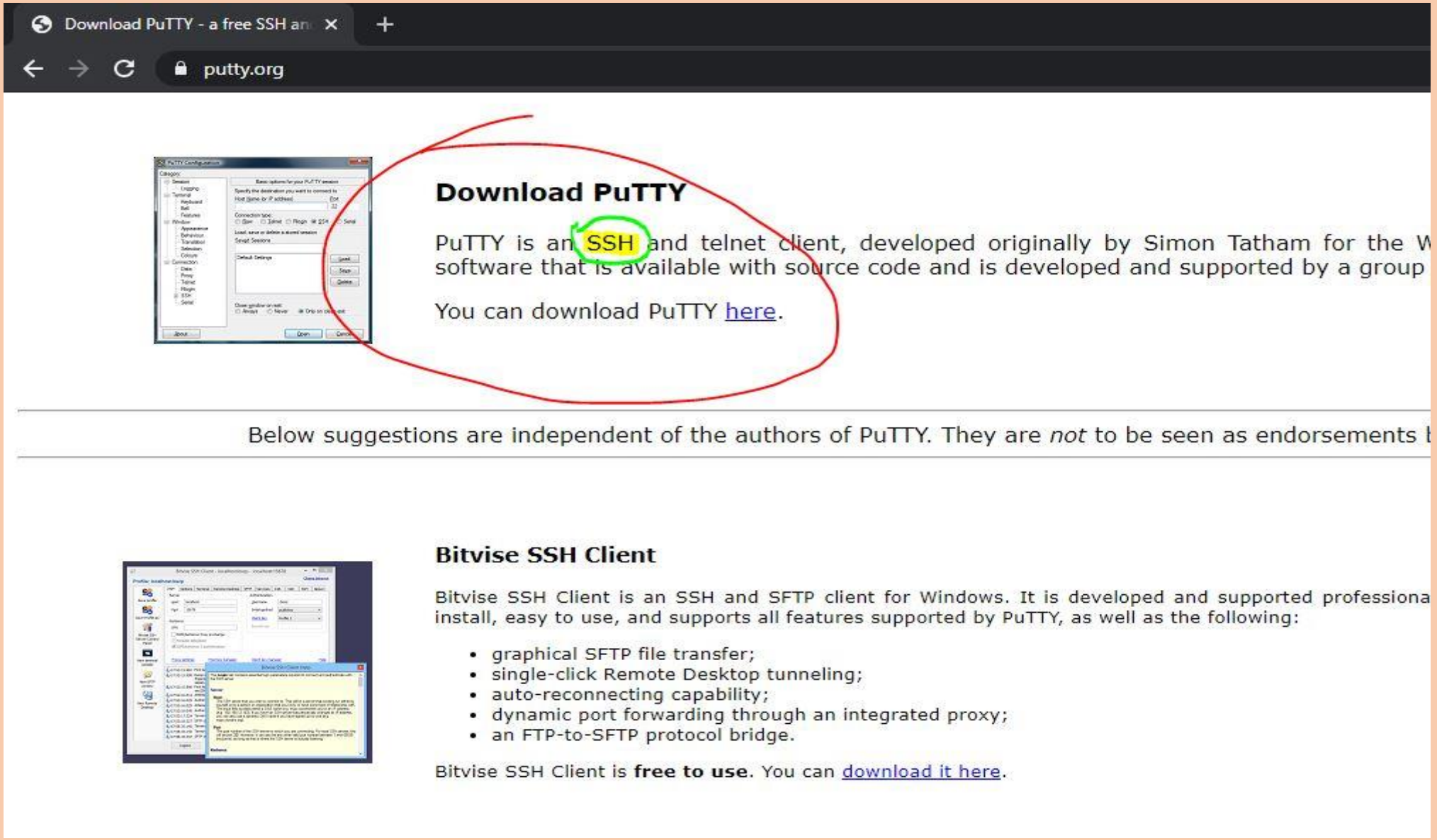
Now go to the Services , Search **EC2** and Click to go to the ***EC2*** Dashboard.



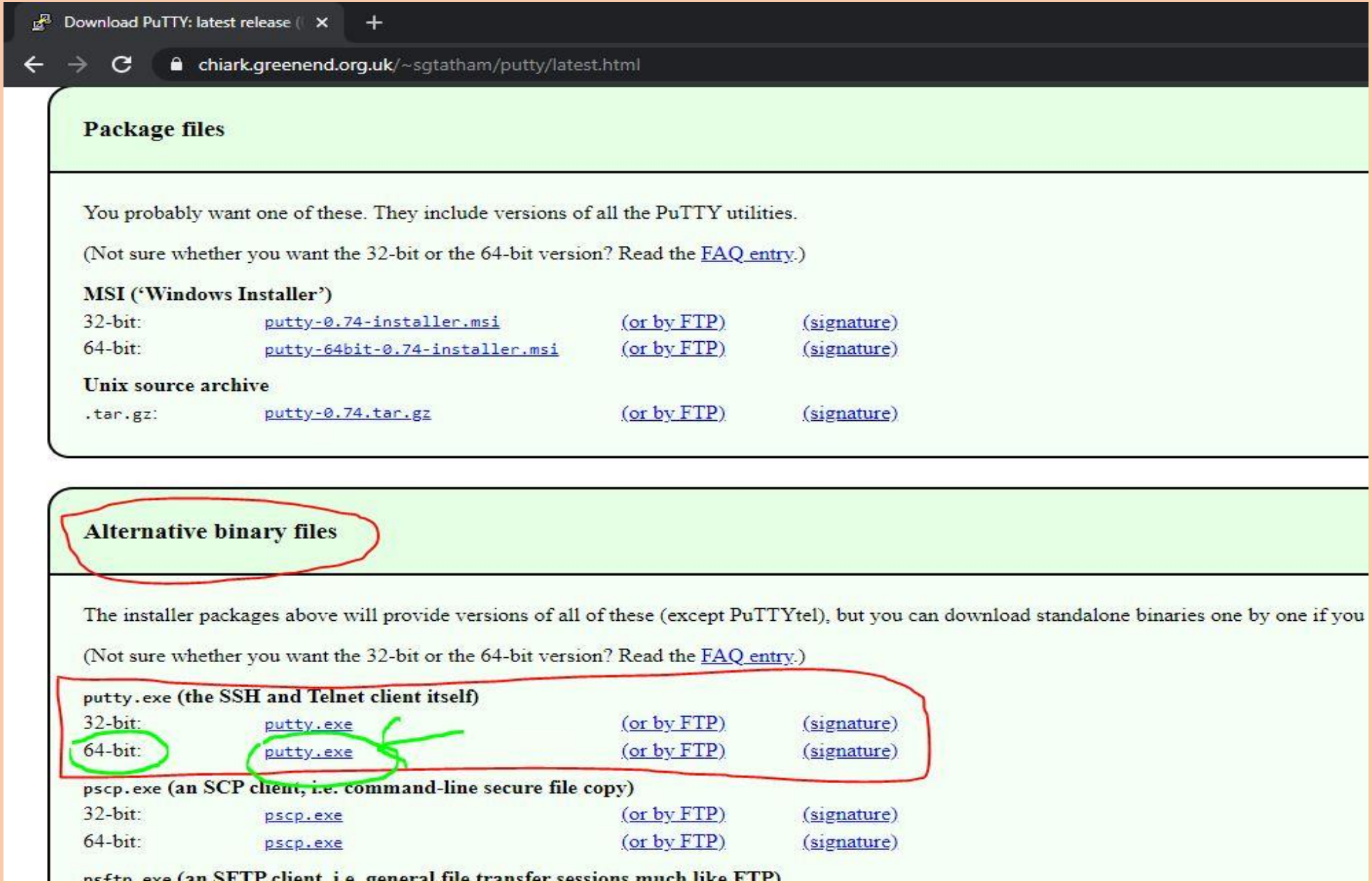
If your stack is created successfully you will see the result as shows above. Click on the **Running Instances.**



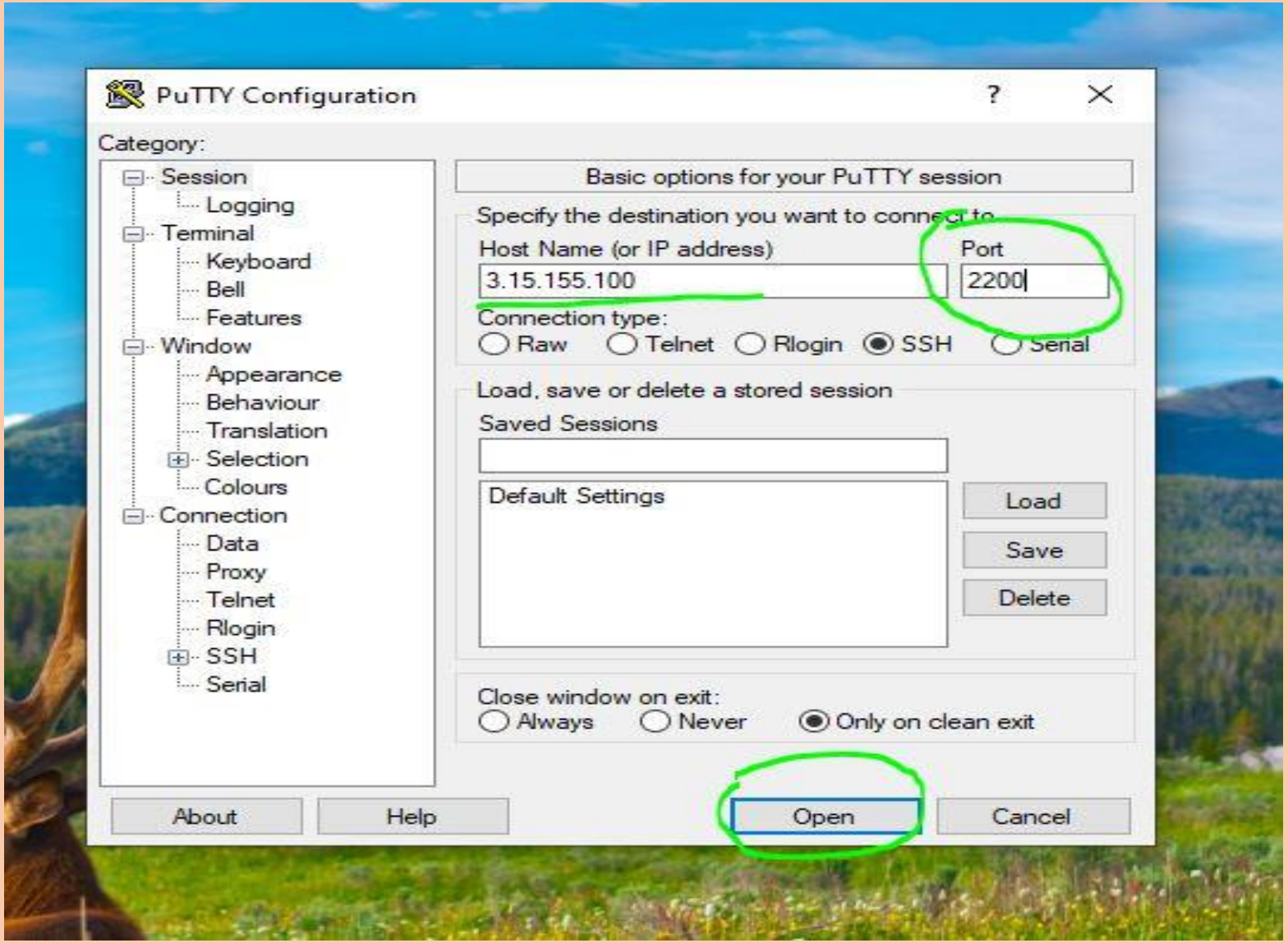
In this **EC2** dashboard you can see your EC2 instance. Status. Description and the Public IP address to login to this instance. We have used **Amazon Linux** in the template as we will be learning DevOps and it's tools on Linux Operating System.



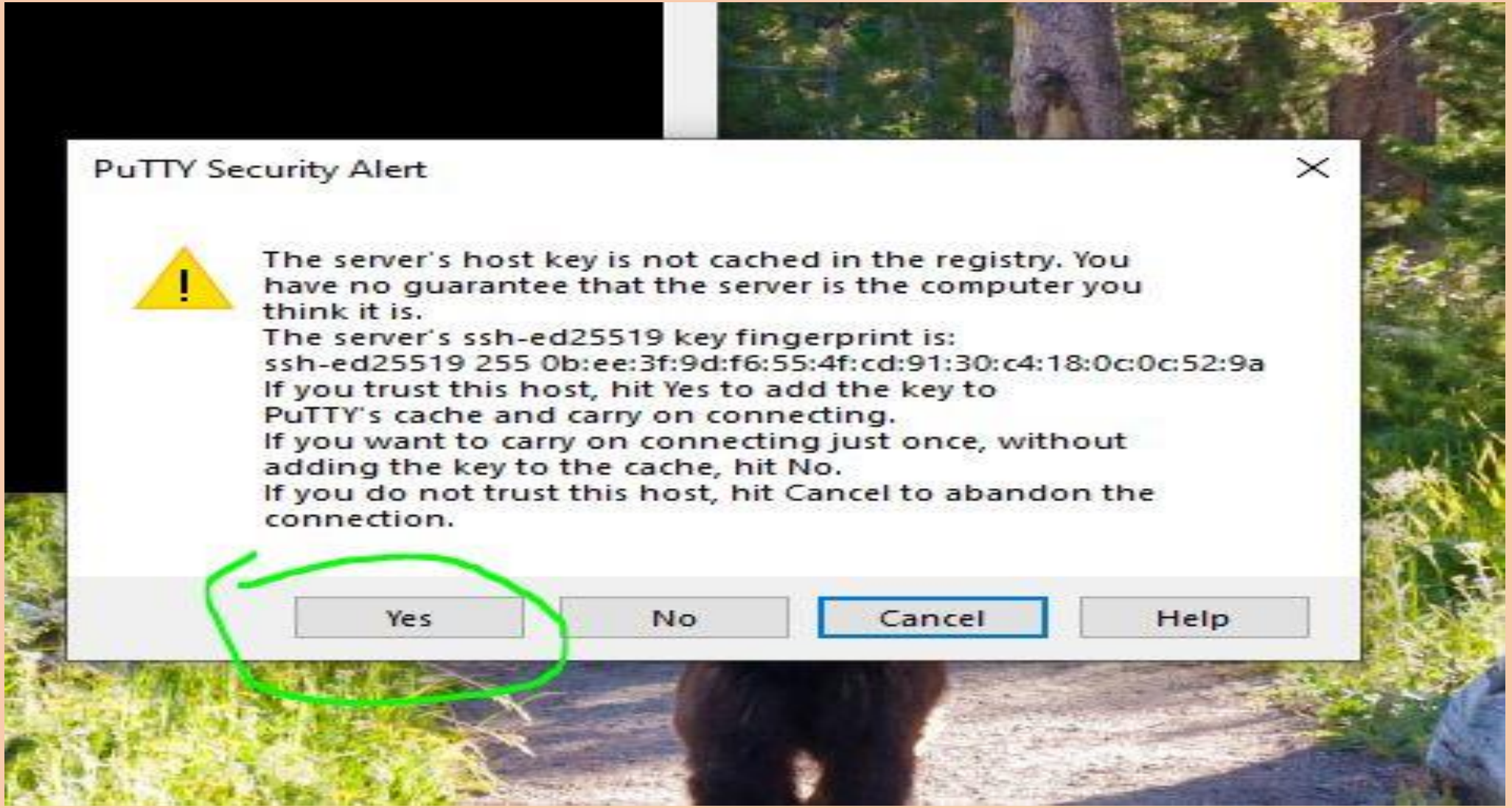
Once your EC2 instance is launched. Go to the https://putty.org and click on the Download link as shown in the picture to download the ***Putty*** client. With putty client we can connect to the Linux System remotely



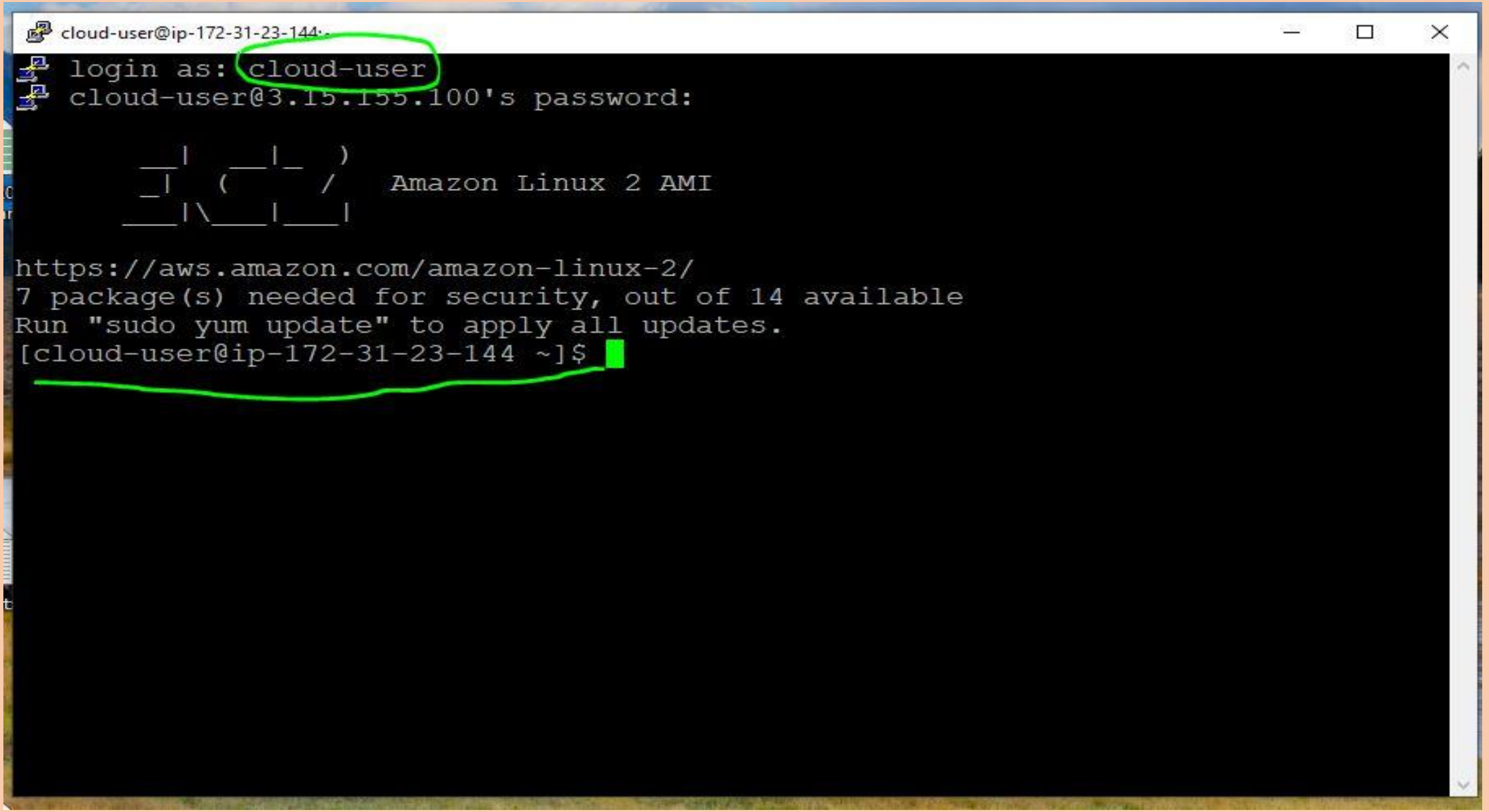
From this section choose suitable putty.exe file to download according to your OS version. Mostly it's 64bit.



Once putty is downloaded click and open it. Provide your public IP , Port no and click on the open to login to your ***EC2*** instance.

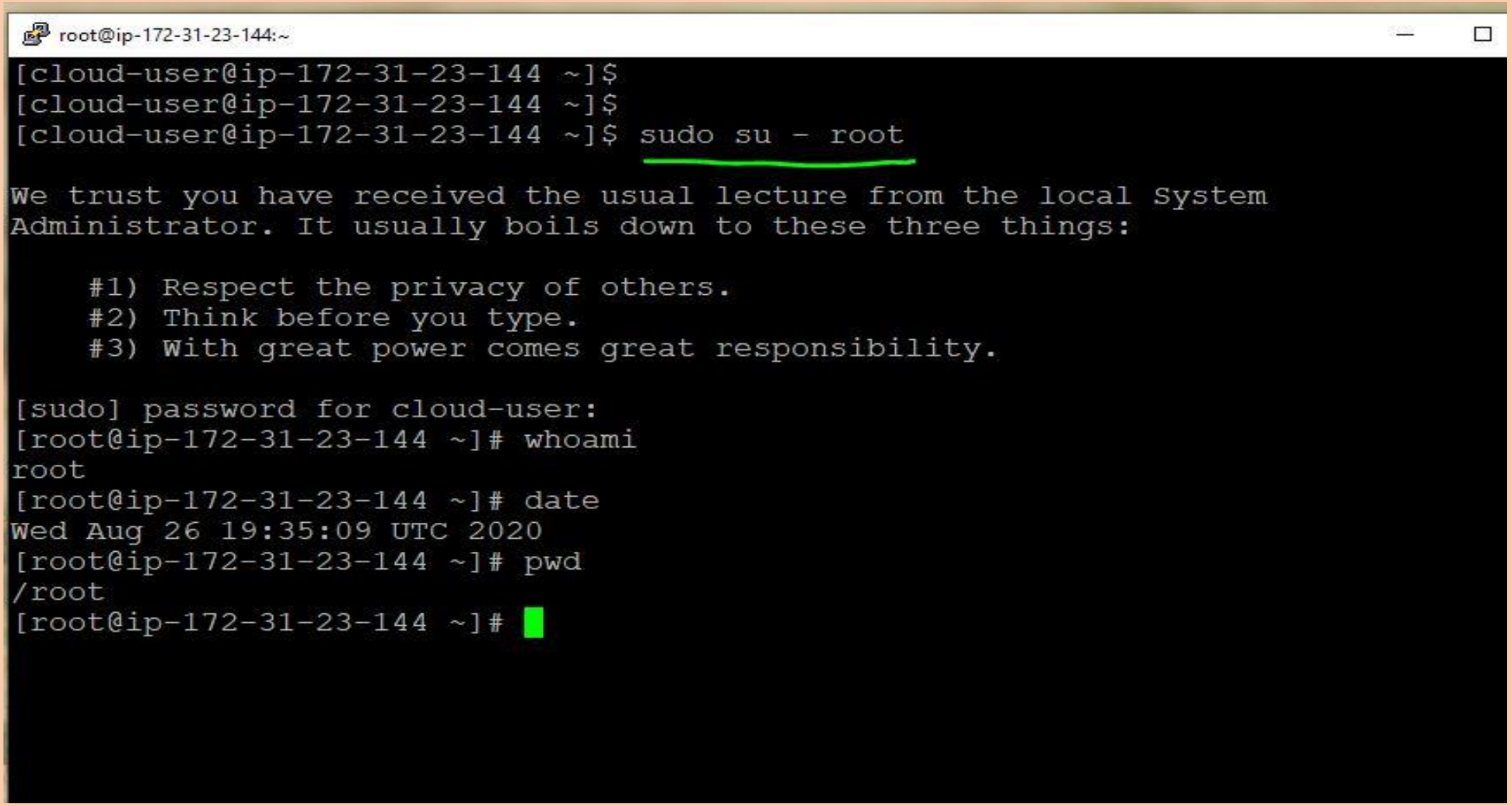

PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's ssh-ed25519 key fingerprint is:
ssh-ed25519 255 0b:ee:3f:9d:f6:55:4f:cd:91:30:c4:18:0c:0c:52:9a
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.
Yes
No
Cancel
Help

Click on ***Yes***

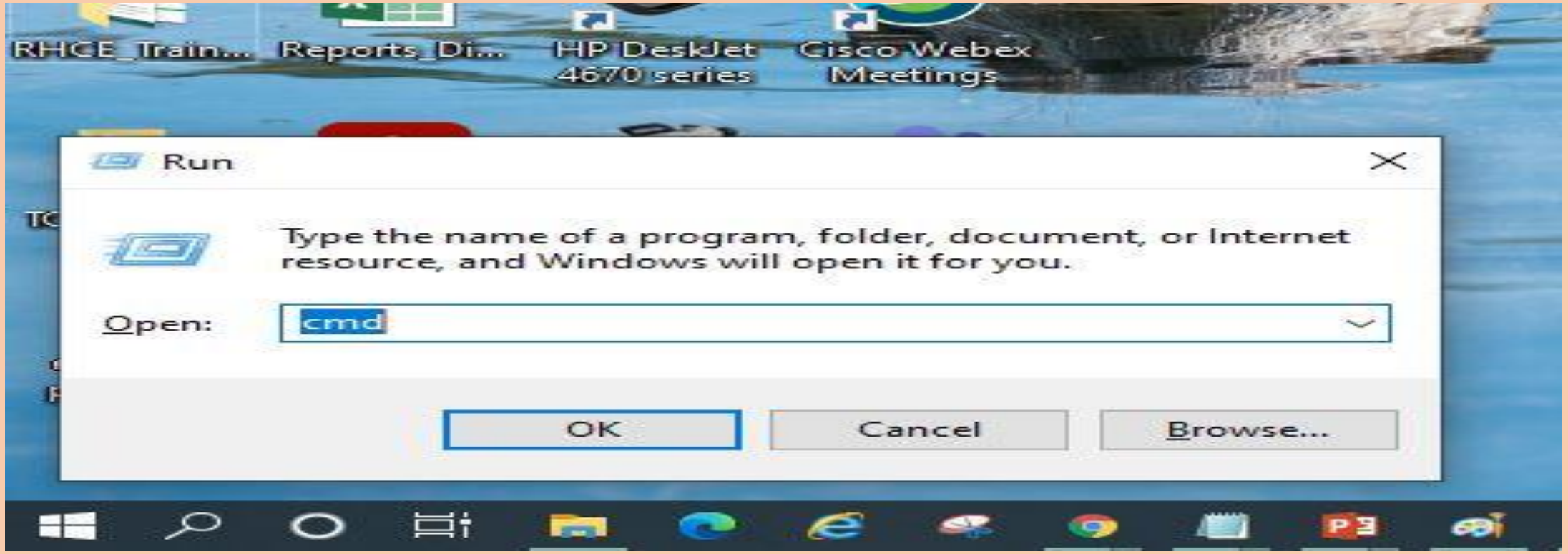


Once you see this login (login as:) prompt. Provide the username ***cloud-user*** and password i.e ***AWS@123***

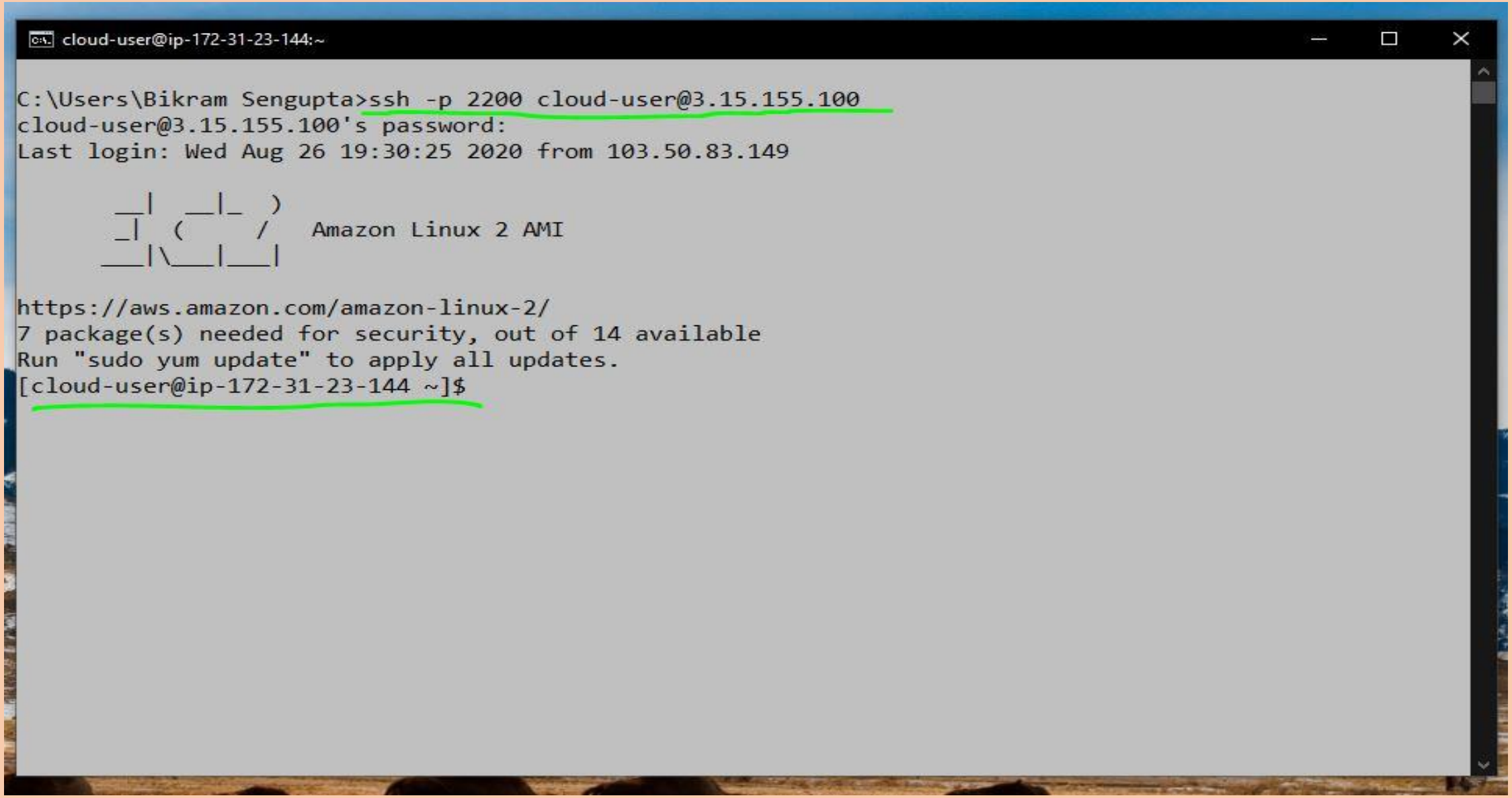
Once your are logged in your will get a $ prompt where you can start executing linux commands.



*Once your logged in with **cloud-user** account, you can switch to root account using the command shown above.* The ***root*** user is the superuser or administrator of Linux OS. The root user's login prompt is **#**



In order to login from Windows Command Prompt. Go to ***Run*** then type ***cmd*** and click ***OK***.
It will launch the command prompt of your windows system. From Mac OS you can open the ***terminal***.



From Windows Command Prompt you need to run the command as shown in the picture to login into your instance.

Thank You Everyone.

Happy Learning ☺