

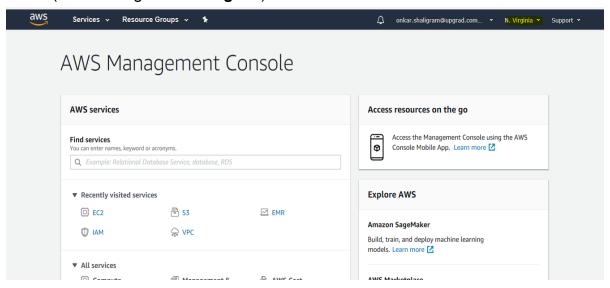


Steps for Creating VPC and Security Group

The Amazon VPC allows users to provision an isolated section of AWS according to their requirement. Users can utilize the resources of AWS in a virtual network. They can also customize their virtual environment according to their needs.

Note: The VPC setup is a one time process and you can make use of the VPC created here in the instances that you'll launch in the future.

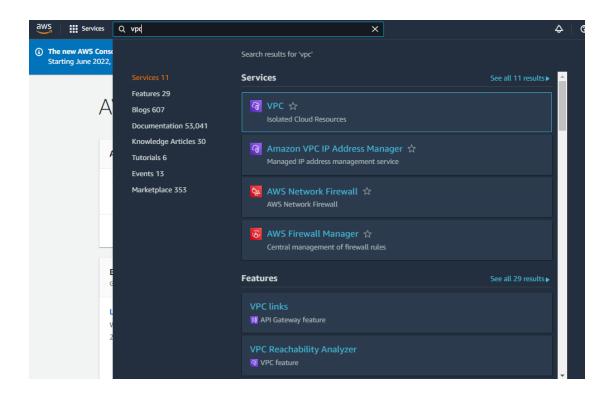
- 1. Enter your AWS Console using NuvePro dashboard.
- 2. You will see AWS Console Home, which will look like the following image: (**Set** the Region to **N.Virginia**)



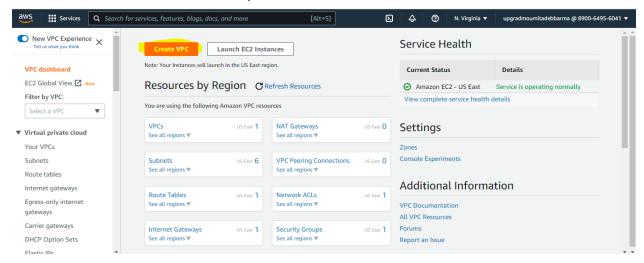
3. In the **search** tab section, type "VPC". Click on enter.







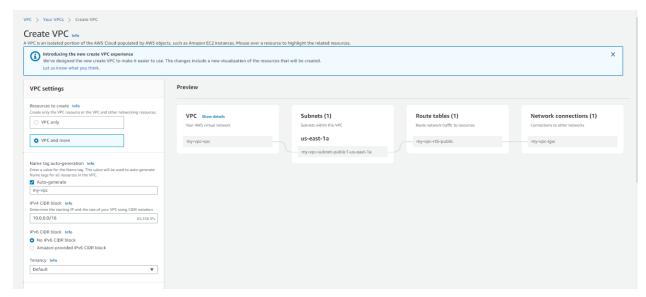
4. Now the VPC dashboard opens. Click on "Create VPC"



5. The following page below will now open up. Navigate to the right side of the page to update the settings for the vpc.







6. Click on "VPC and more" and assign the below values:

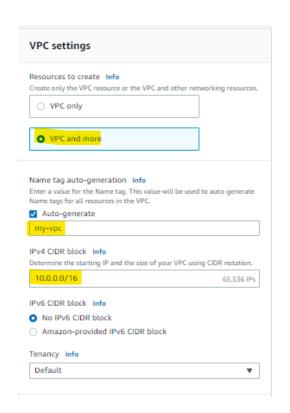
Check Auto-generate: my-vpc

IPv4 CIDR:10.0.0.0/16

Number of Availability Zones(AZs): 1

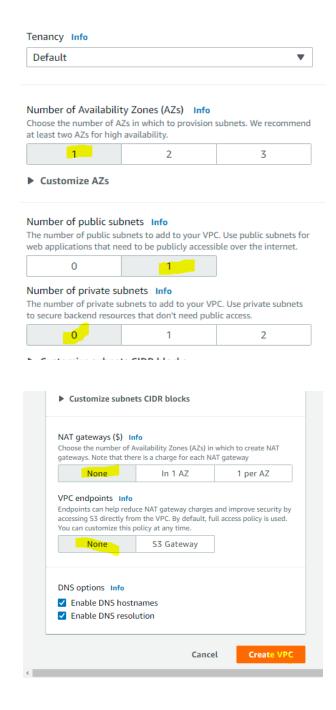
Number of public subnet:1 Number of private subnet: 0

Nat Gateway: **None** Vpc endpoint: **none**





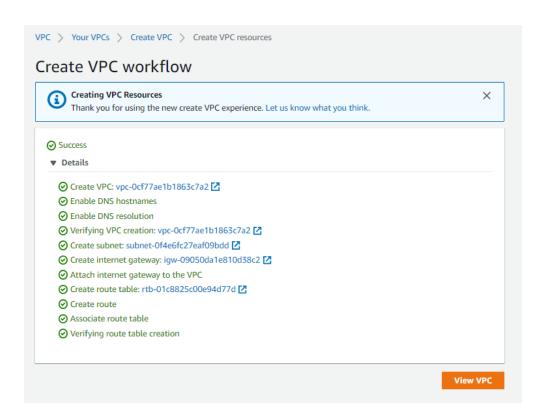




7. Click on the "Create VPC" button and now your VPC will be created.

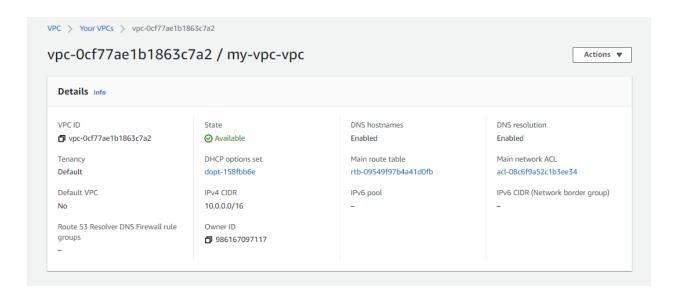






8. The VPC has been created successfully. Click on 'View VPC' to view the VPC.

NOTE: Please note that an extra "vpc" will be appended at the end of the vpc name you've created. Additionally, please note down the unique VPC ids of your newly created VPCs.



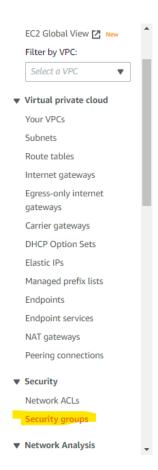




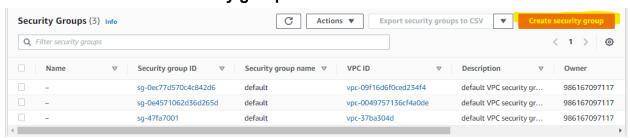
Now we need to create a new security group inside our VPC.

Creating a Security Group.

 Inside the VPC dashboard, Go to the left side page and click on the security group.



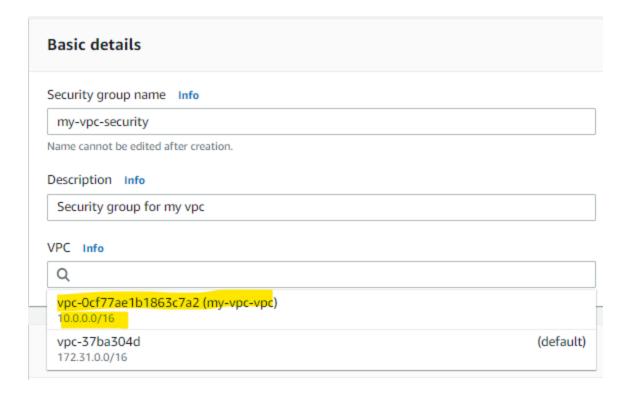
2. Click on "create security group"



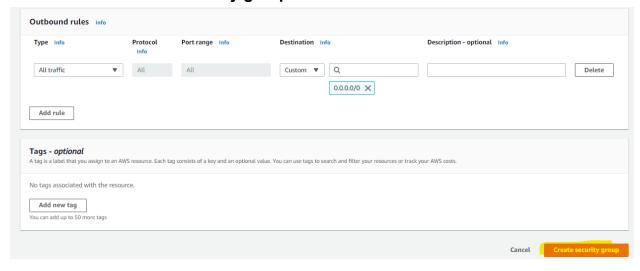
3. **Give** the **security group name, description** and our **vpc name**(my-vpc-vpc). **NOTE**: Recheck the VPC id to make sure that you're choosing the correct VPC.





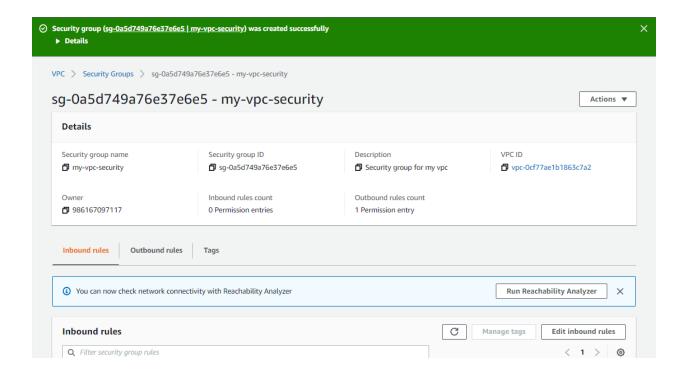


4. Click on "create security group" and then click on "close".

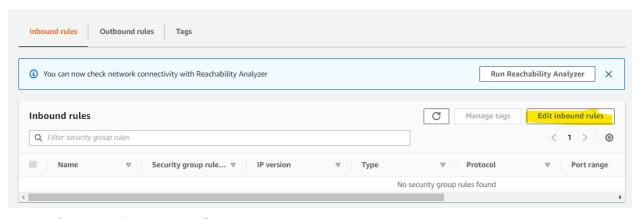








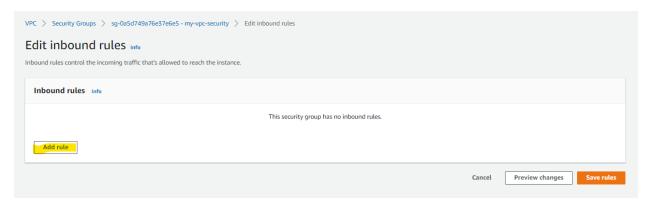
5. Select the Security group you've created and scroll down then **click** on **inbound rules** and then **edit rules**.



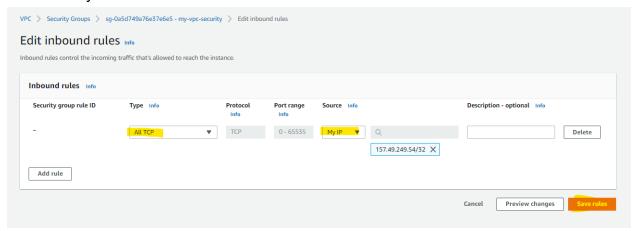
6. Click on "Add Rules"





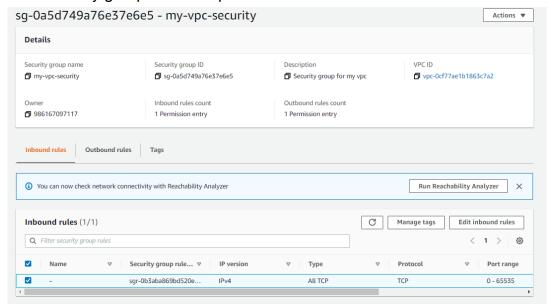


7. Select Type to be "ALL TCP" The source should be "My IP address only", finally click on "save rules."



Note: Inside the Source, My IP should be the same as IP shown on the given website. https://www.ip2location.com/

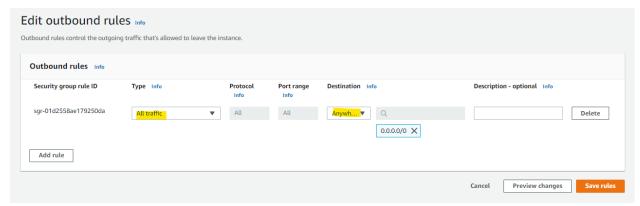
8. The security group with the updated details would be visible now.







NOTE: Refrain from putting myip address for the outboundrules. Add rules> Anywhere IPv4



10. Now back to the services and **search** "EC2" to create the instance.

