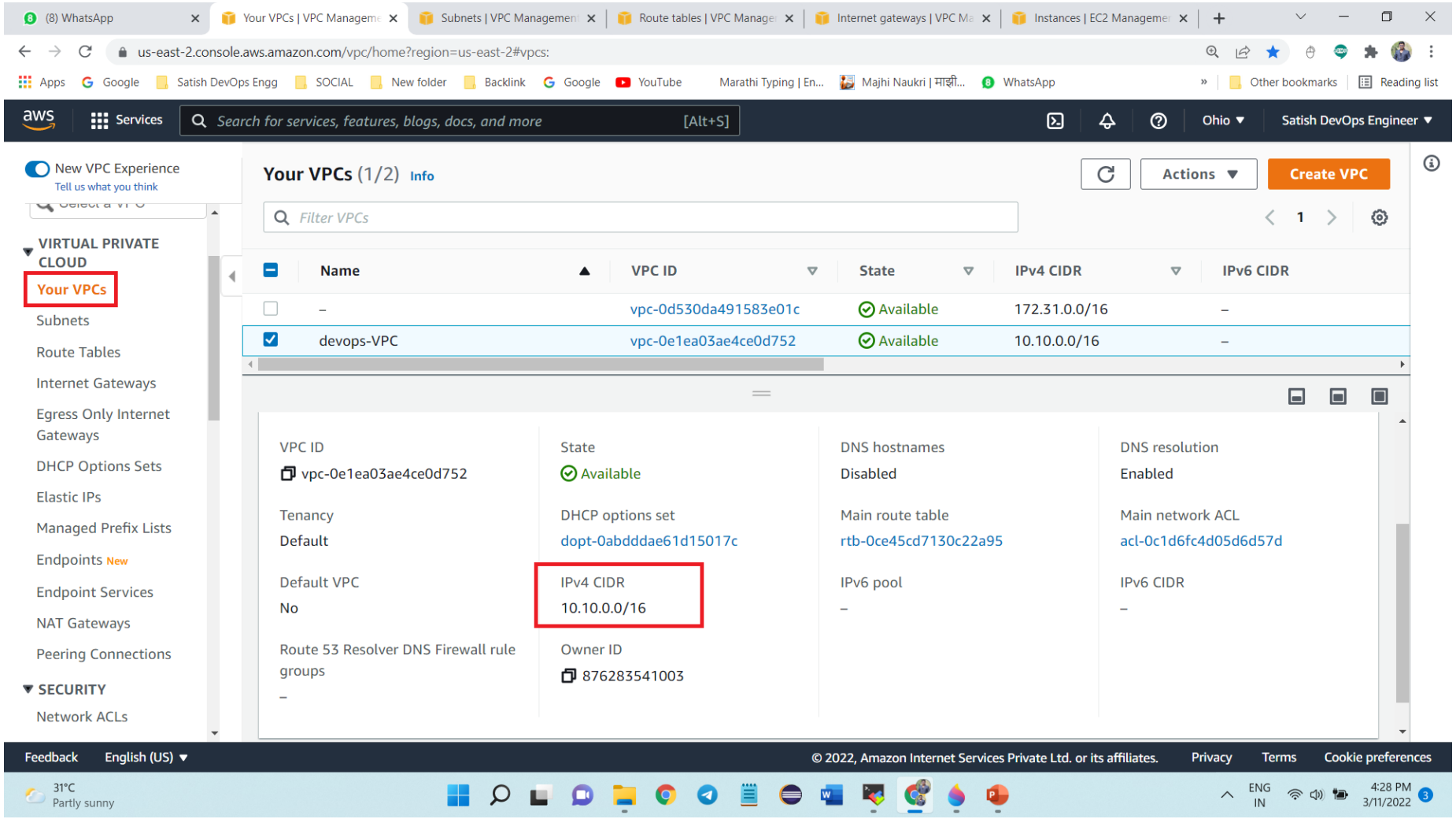
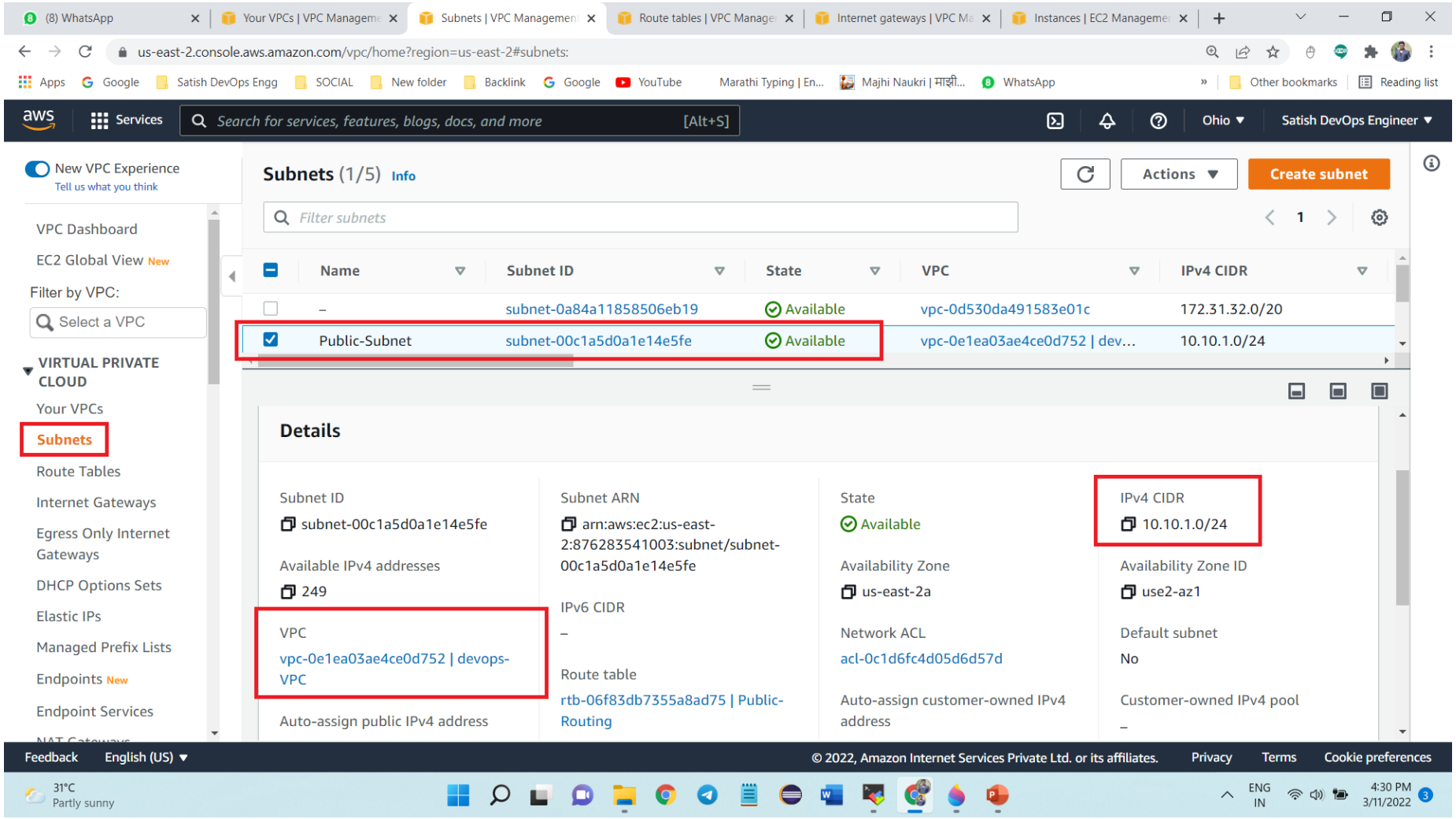
# 020 Practical

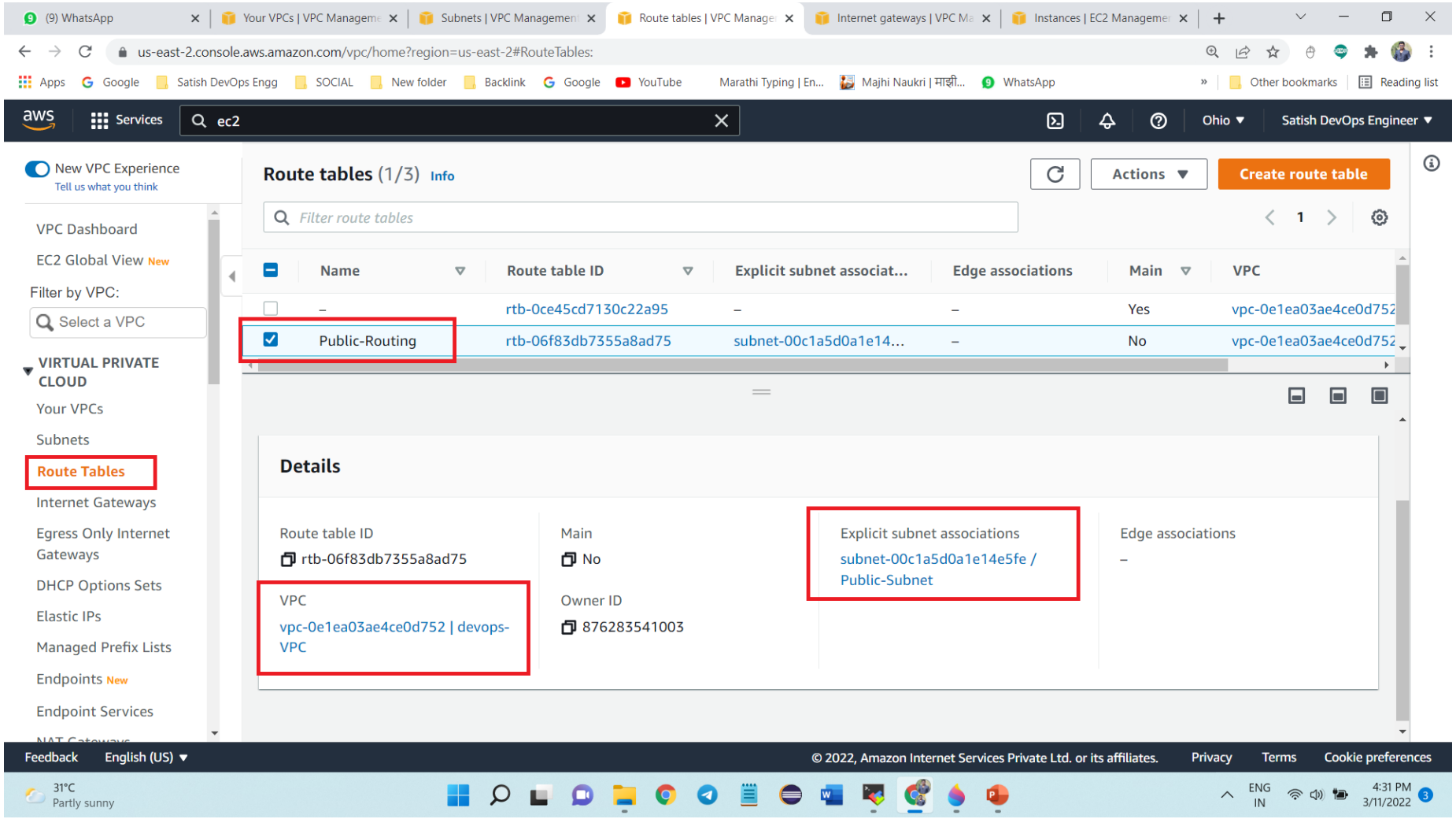
## Network ACL - 08 Mar 2022



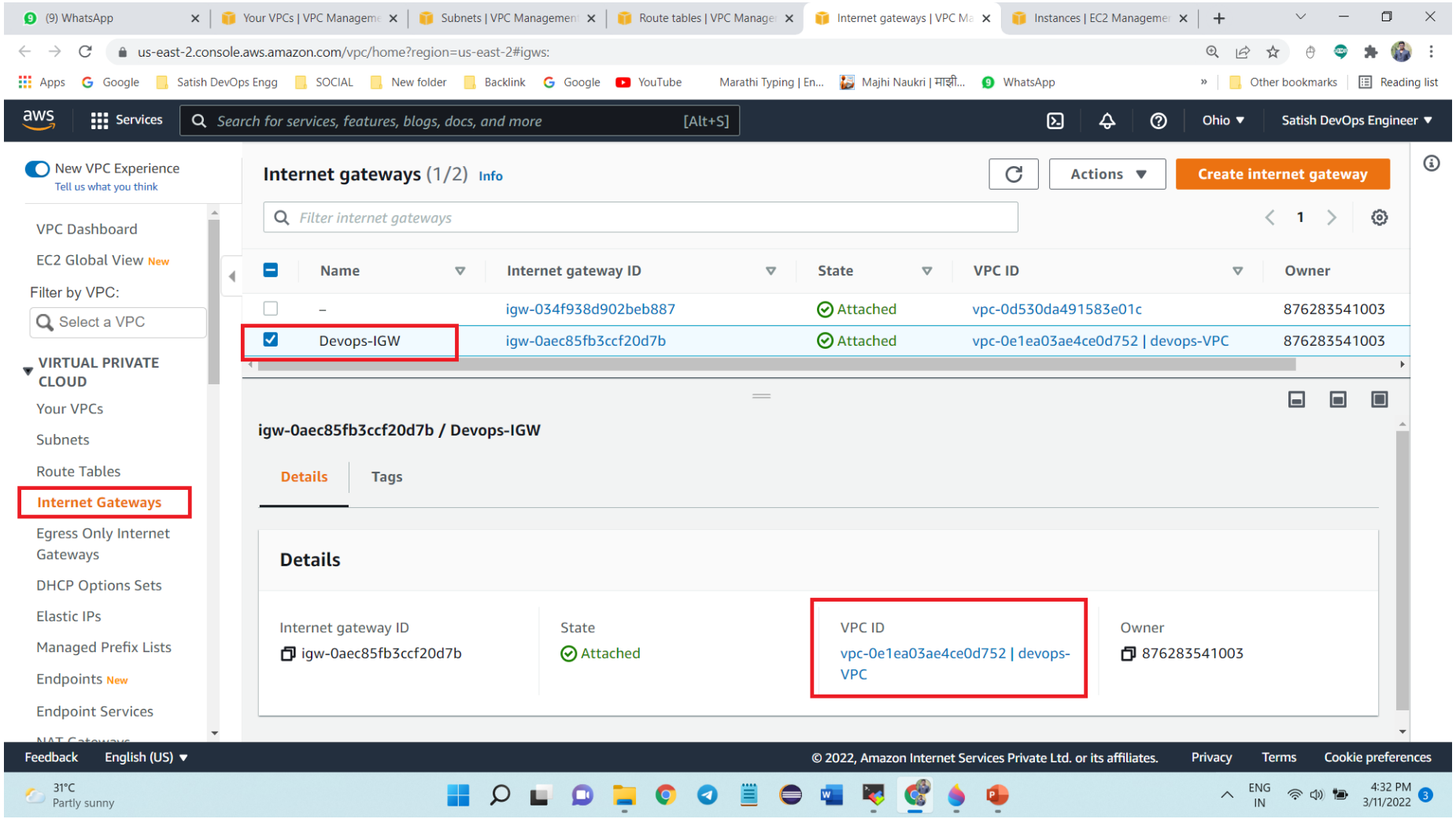

- Here I have created one VPC




- Here I have created one Public Subnet in my VPC

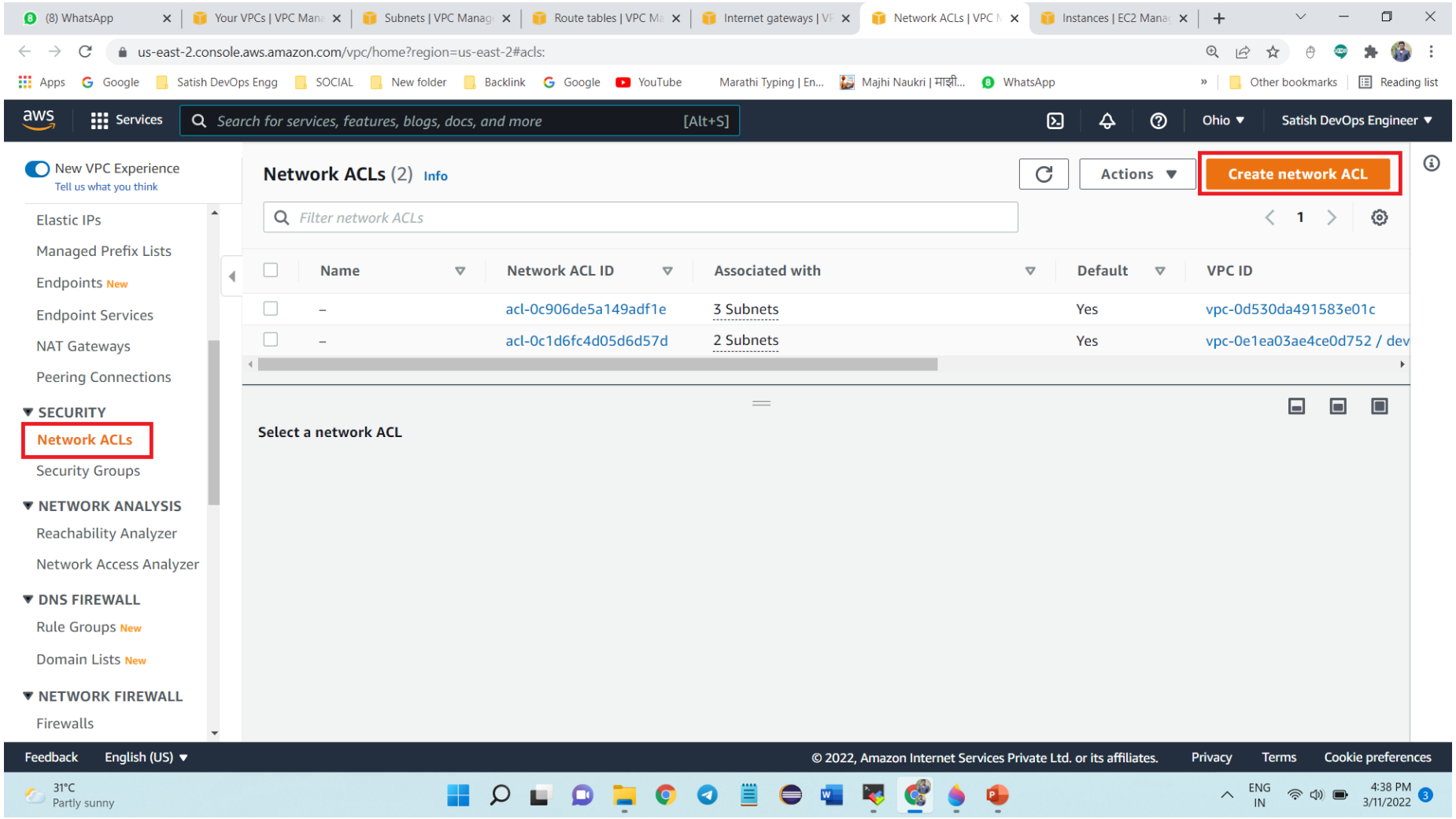



- Here I have created one Public Route Table in my VPC

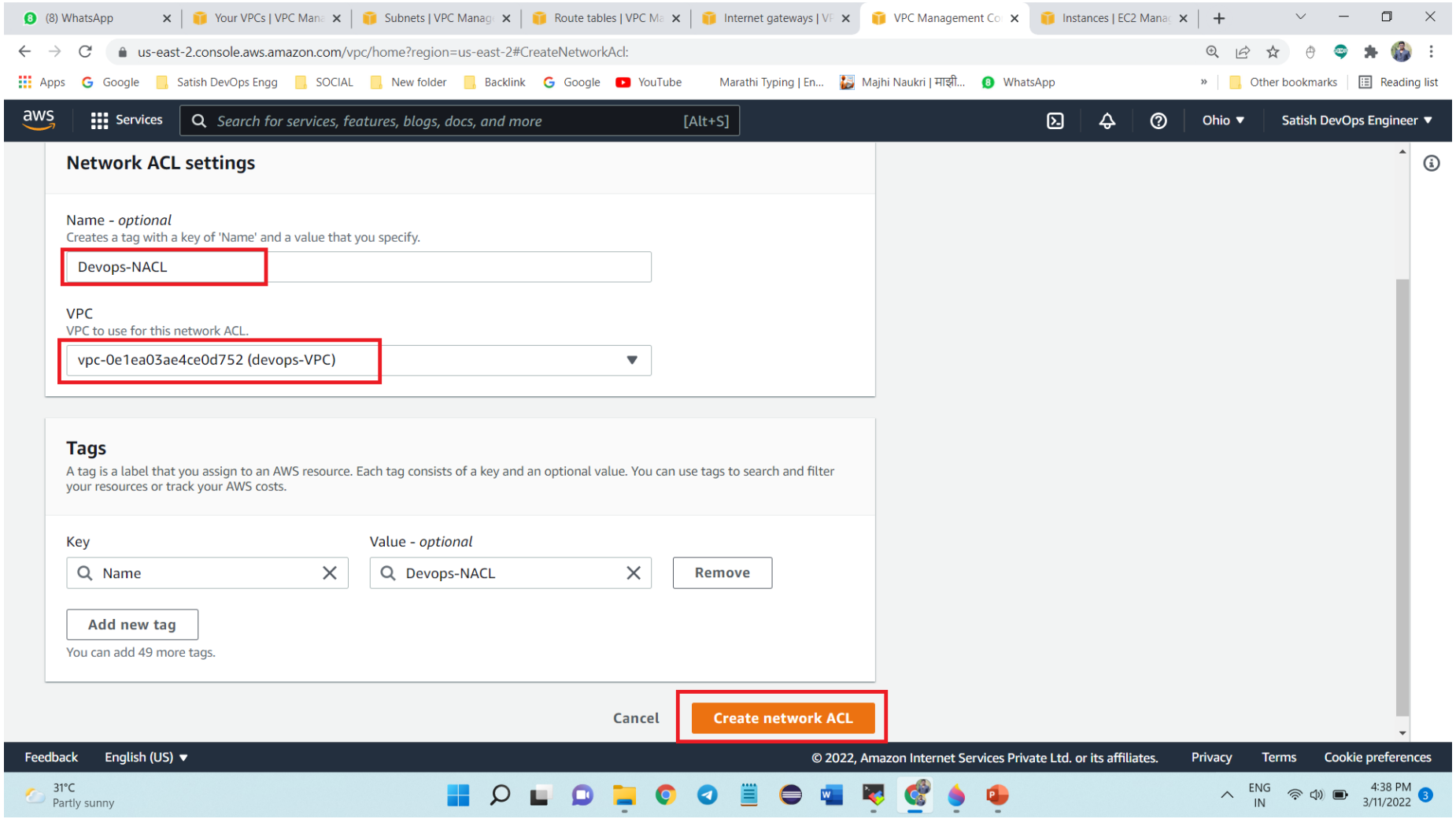



- Here I have created one Internet Gateway and attached it to my VPC

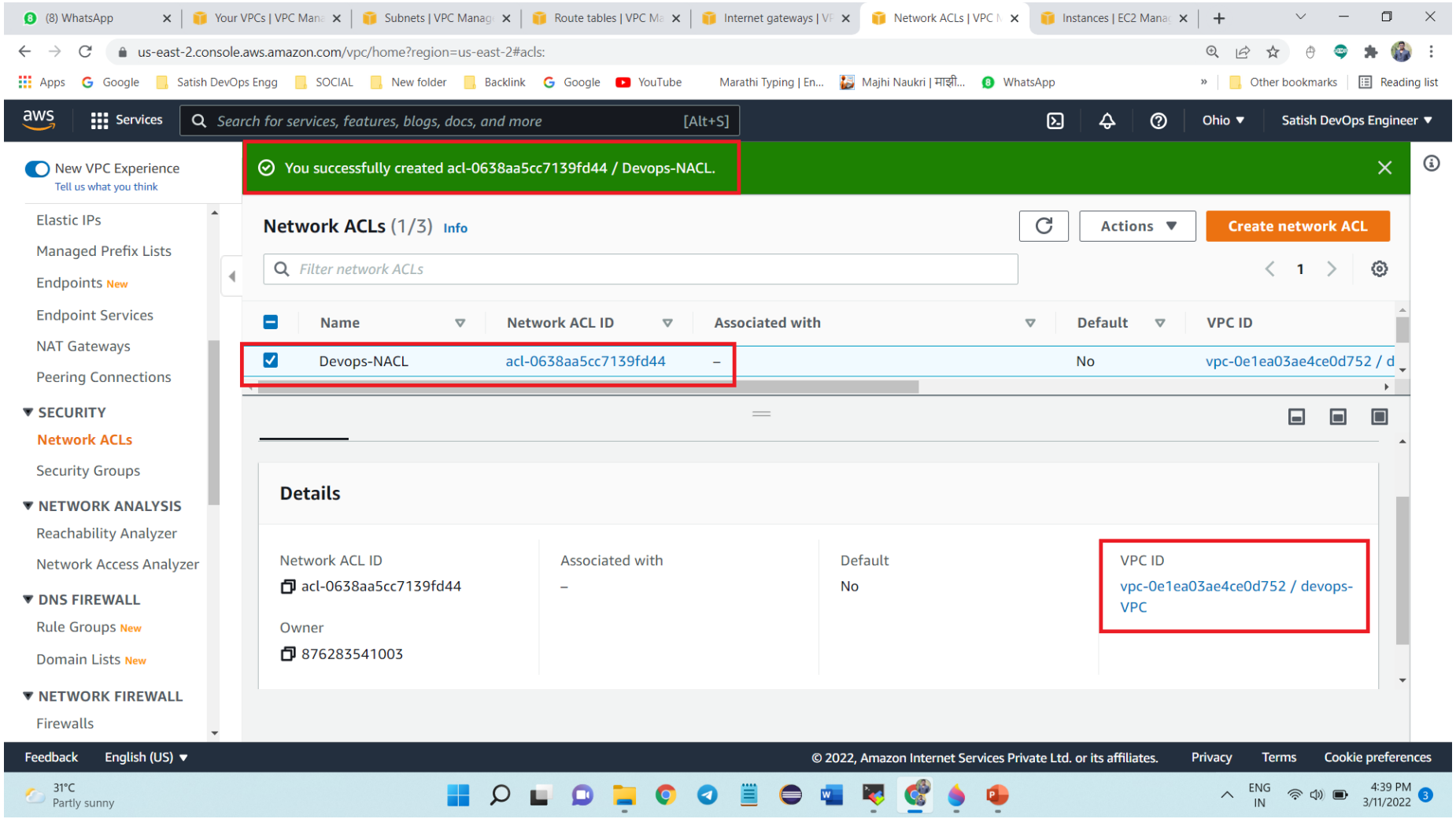
# Now we have to create Network ACL



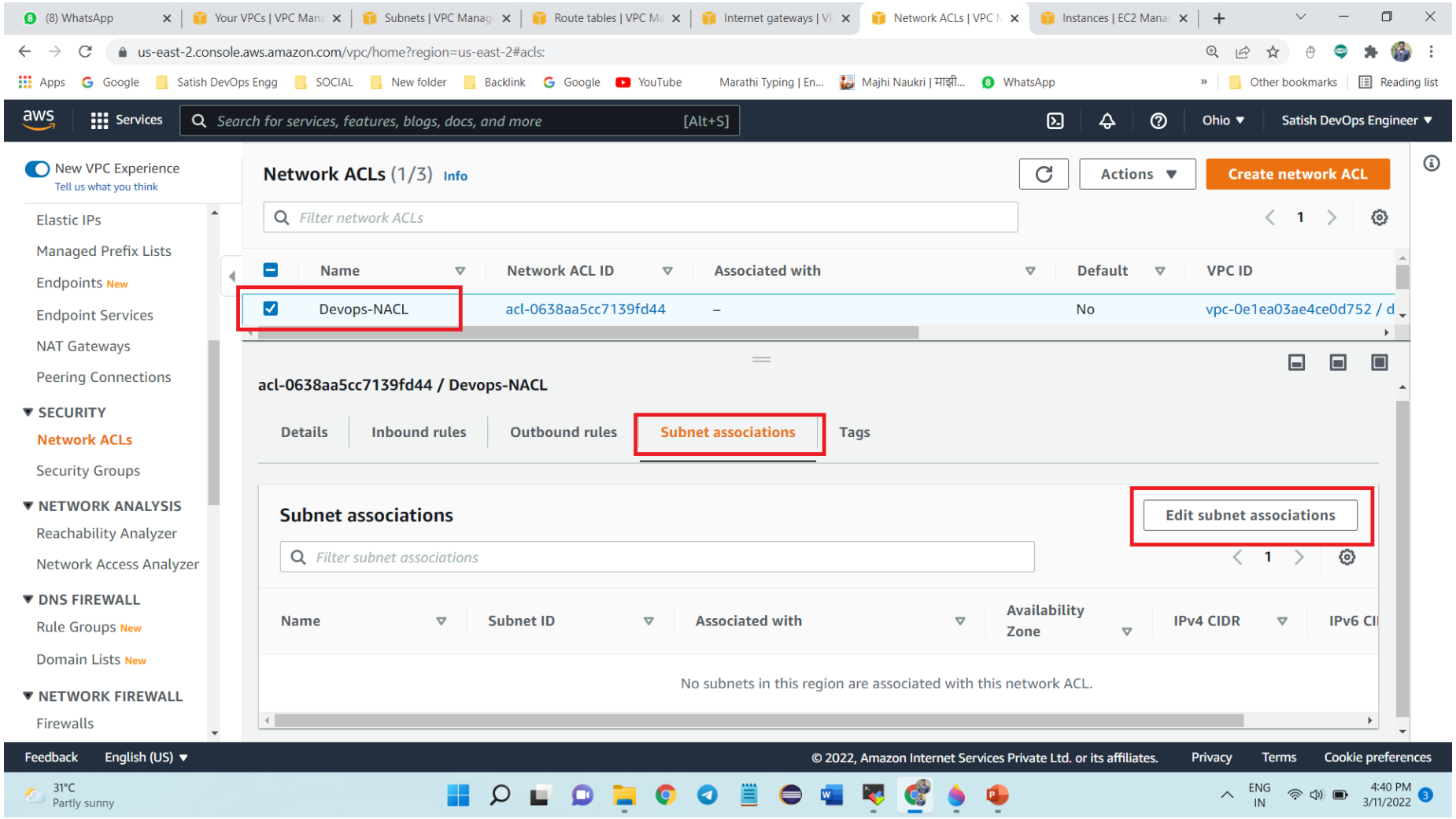

- Go to Network ACLs
- Click on Create Network ACL



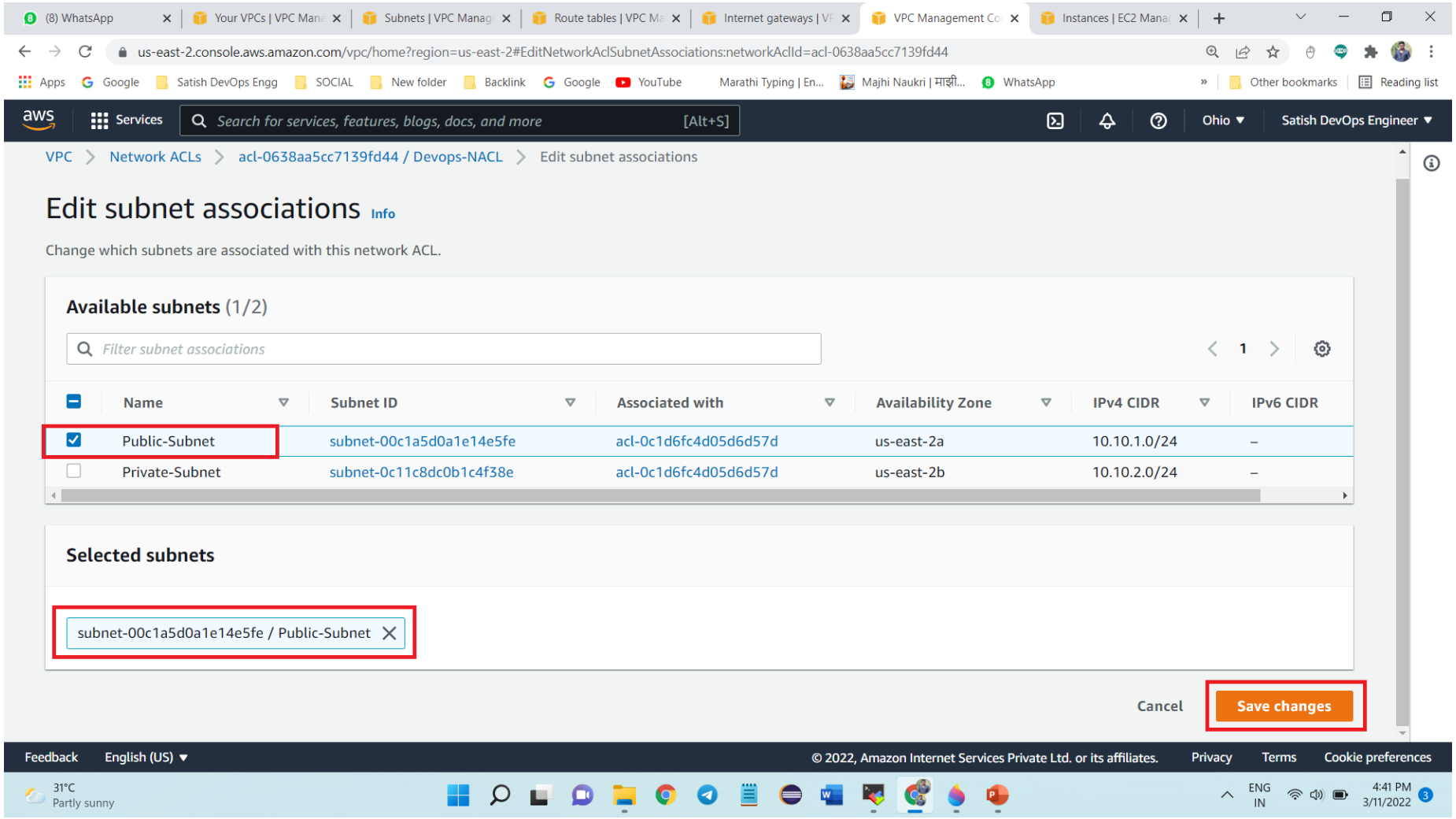

- Give name
- Select our VPC
- Click on Create Network ACL



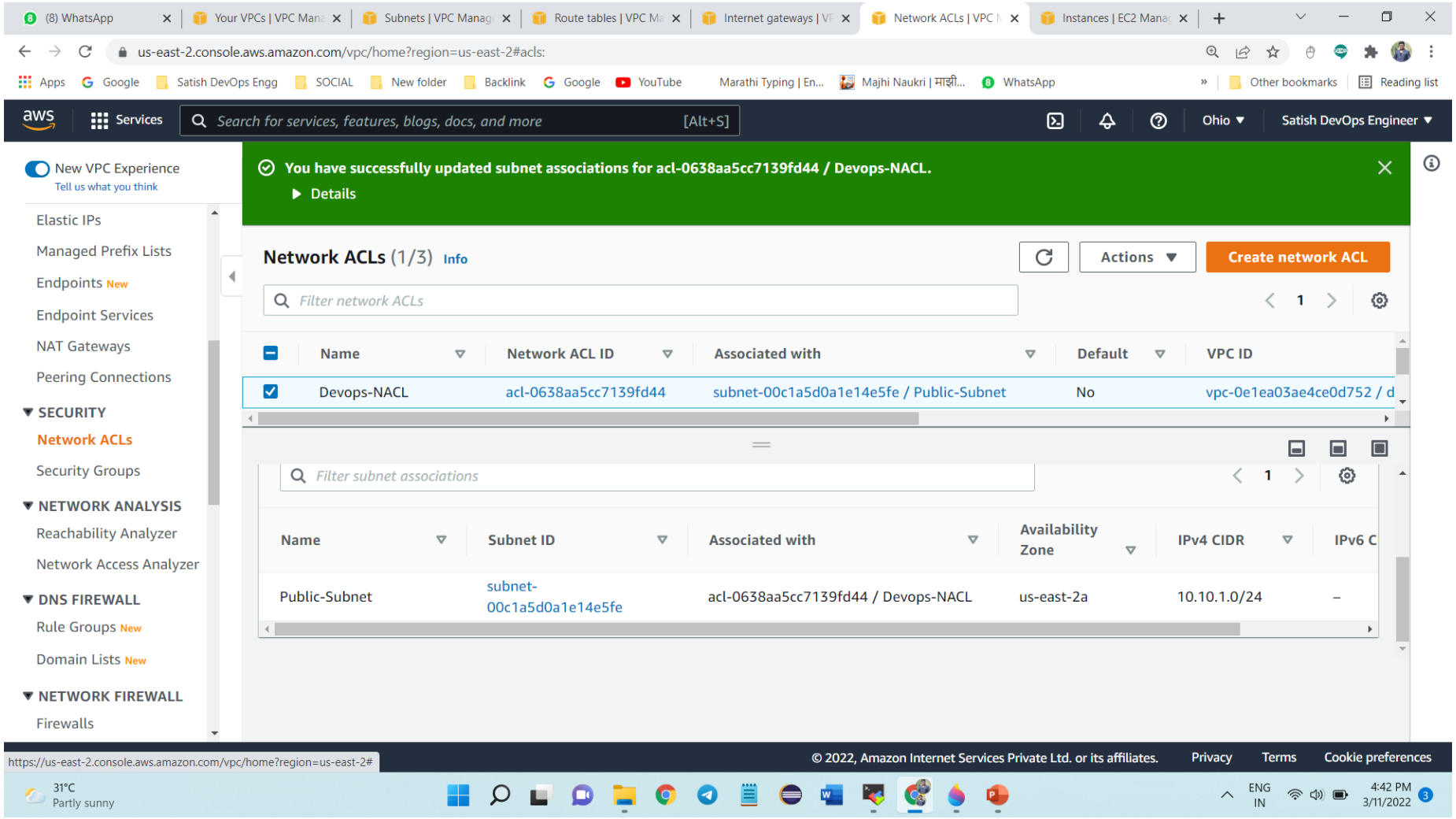

- Network ACL is Created Successfully.




- Now select our NACL
- Click on Subnet Associations
- Click on Edit Subnet Associations

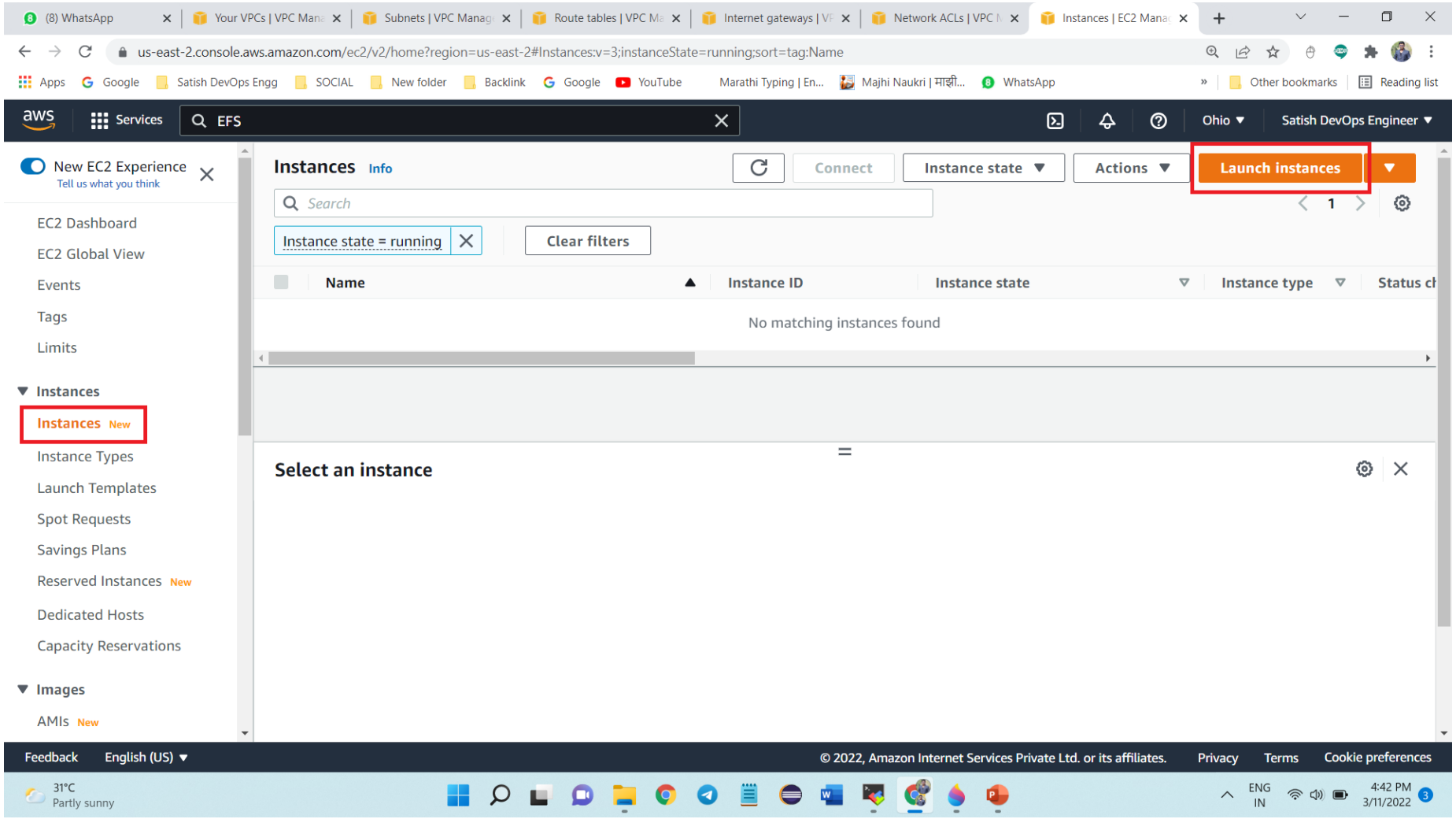



- Select Public Subnet
- Click on Save Changes

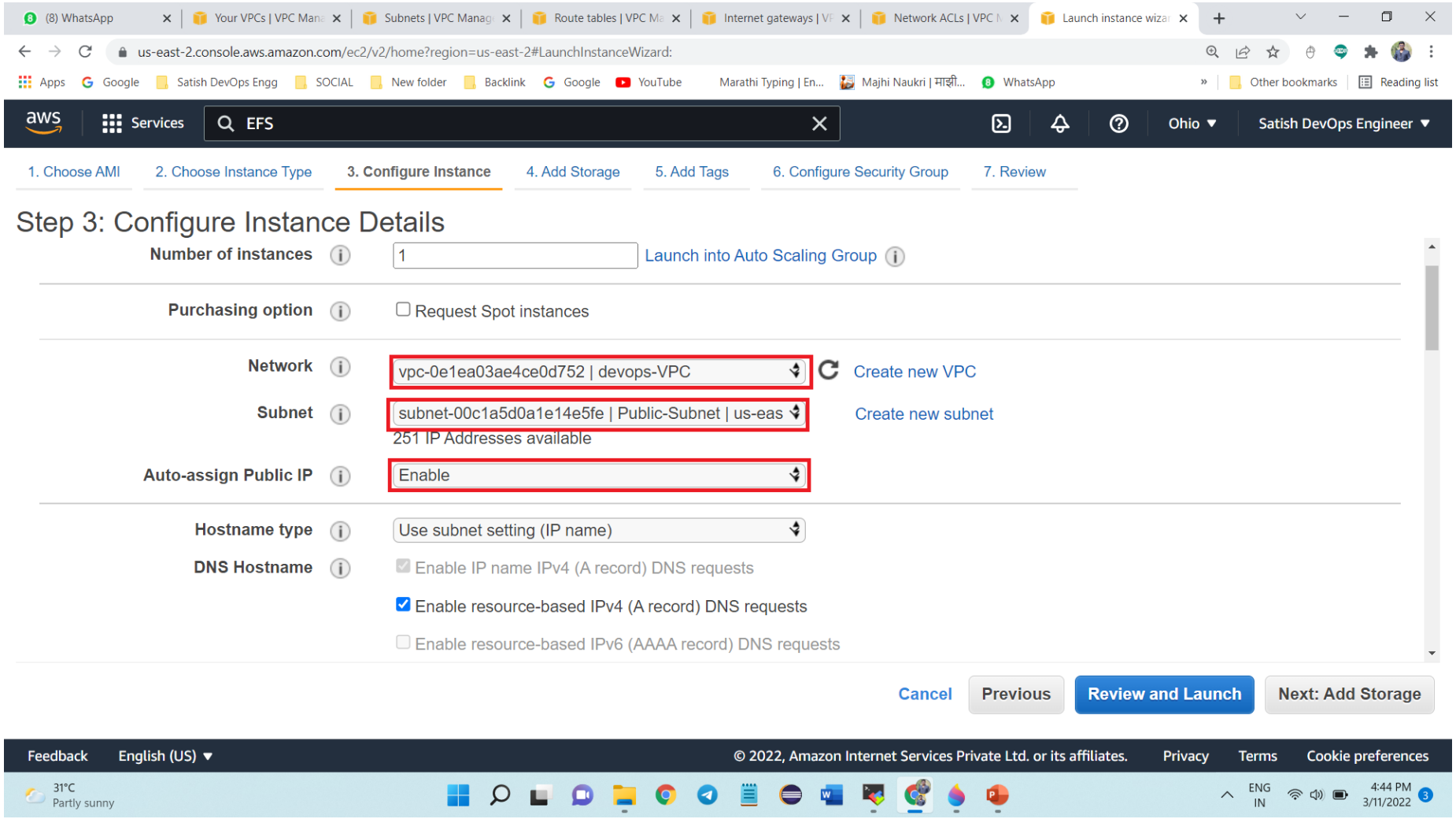



- Here we have updated our Subnet Successfully.

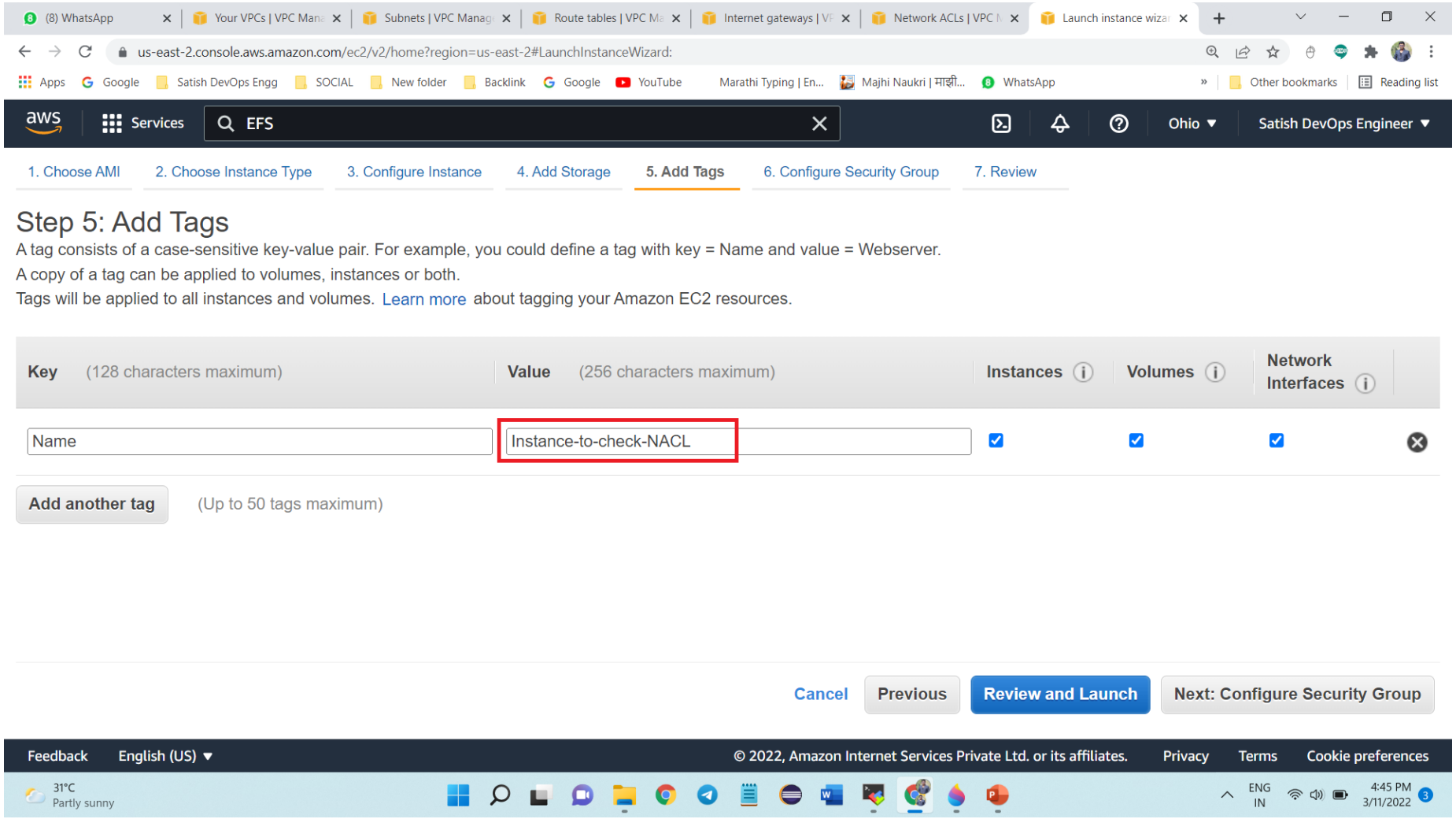
# Now Launch one instance in our VPC inside public subnet.



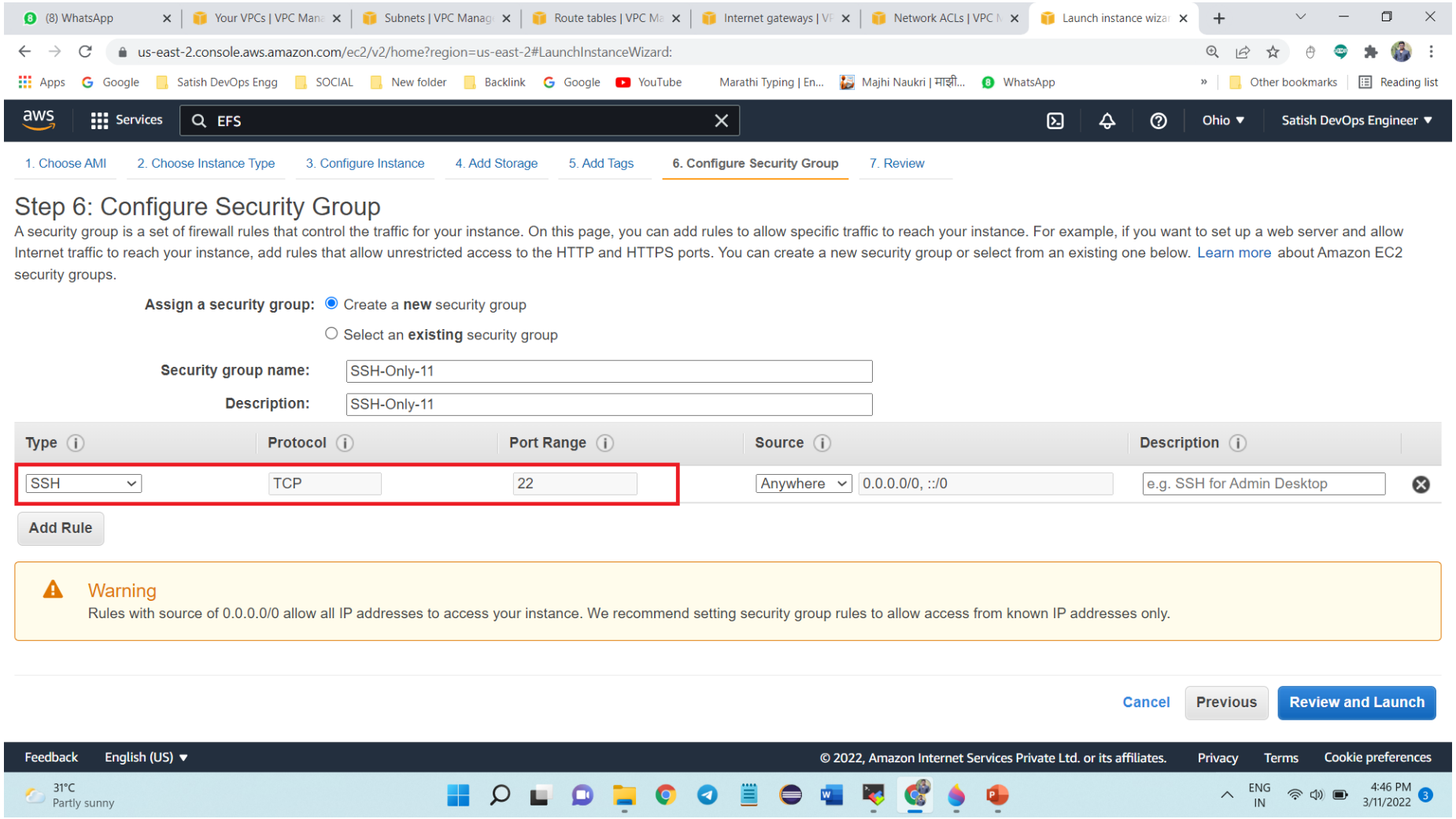

- Go to Instances
- Click on Launch Instances



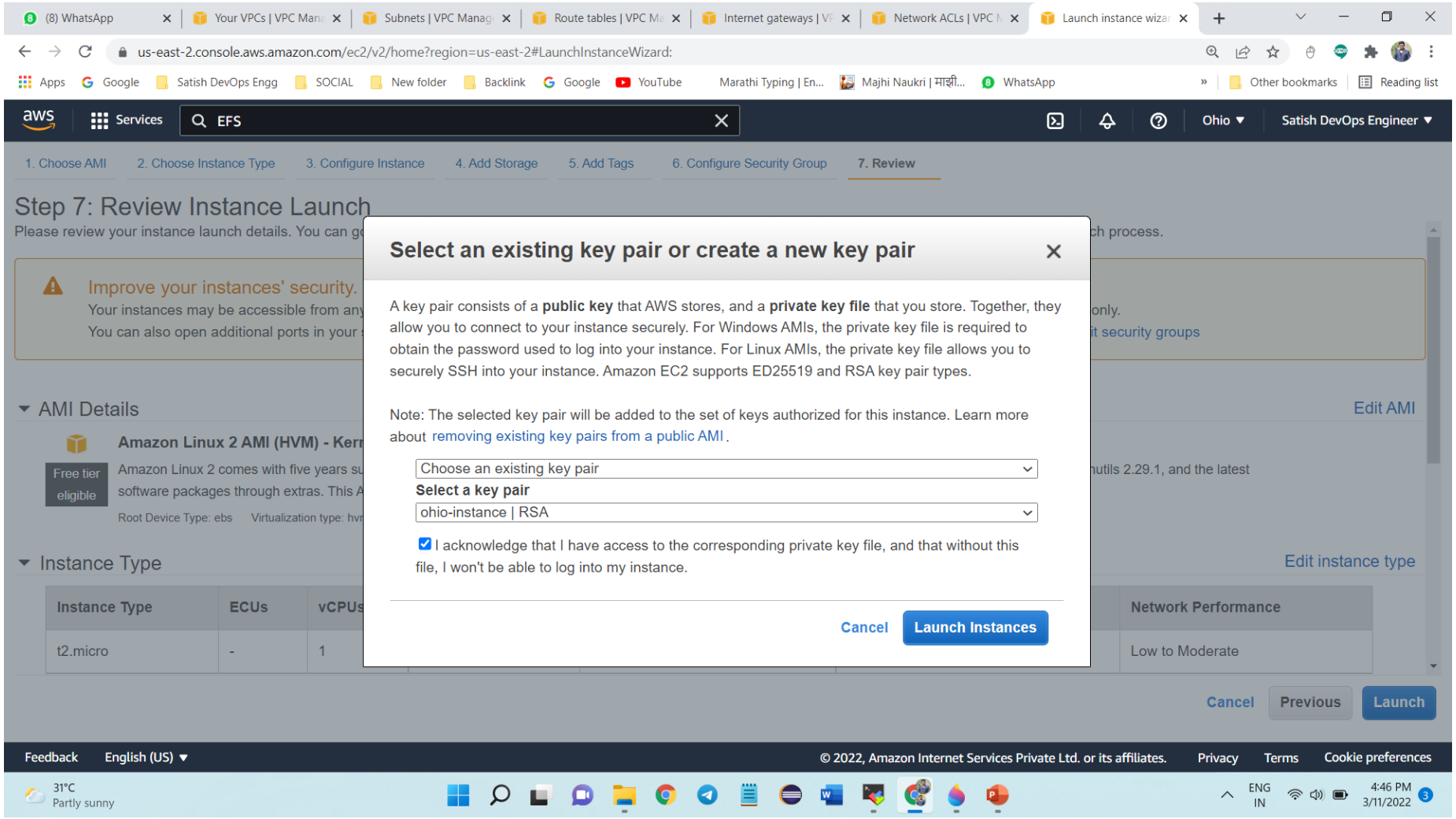

- Select our VPC
- Select Public Subnet
- Enable Public IP



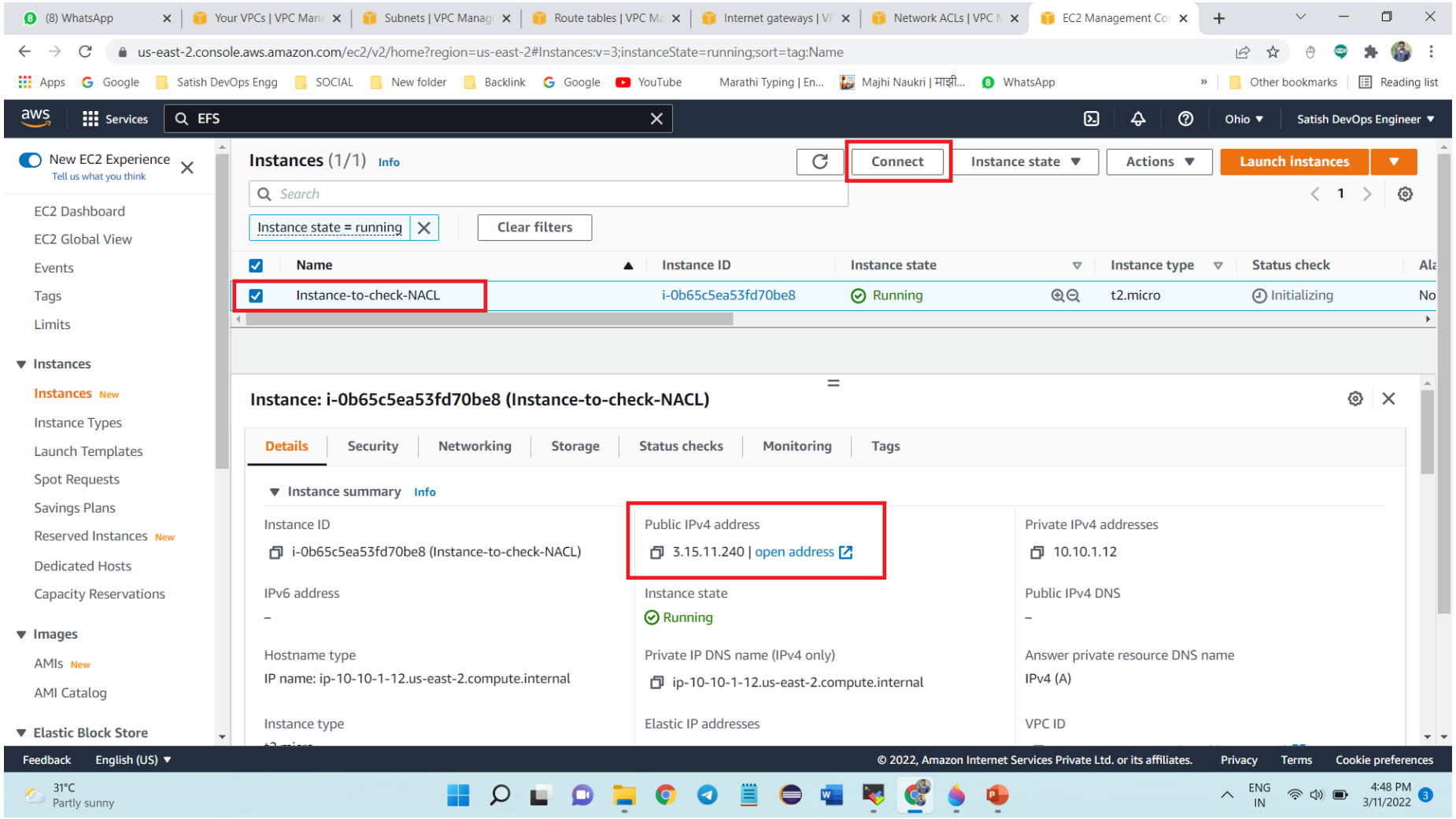

- Give proper Tags



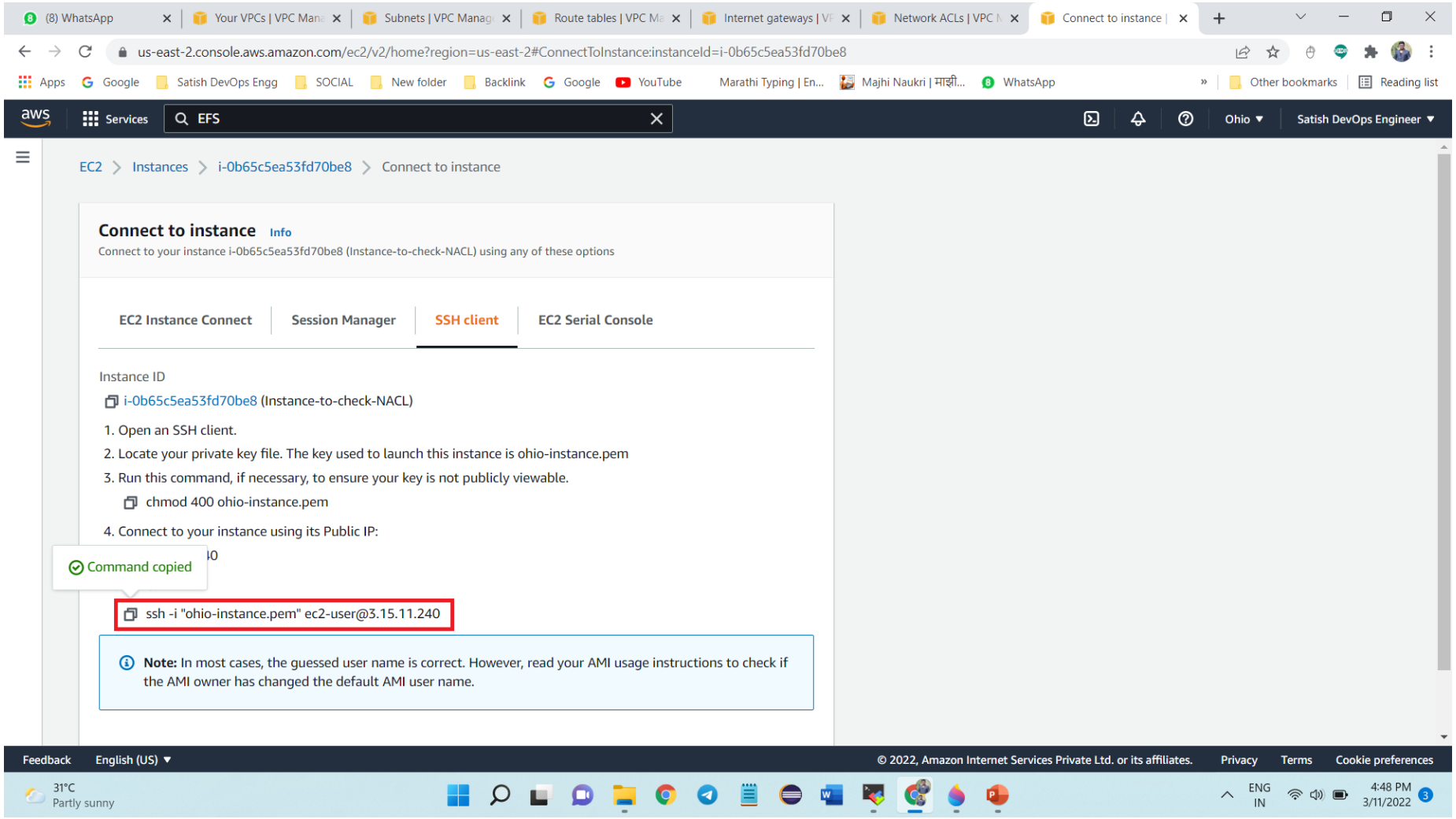

- Select SSH 22 in Security Group



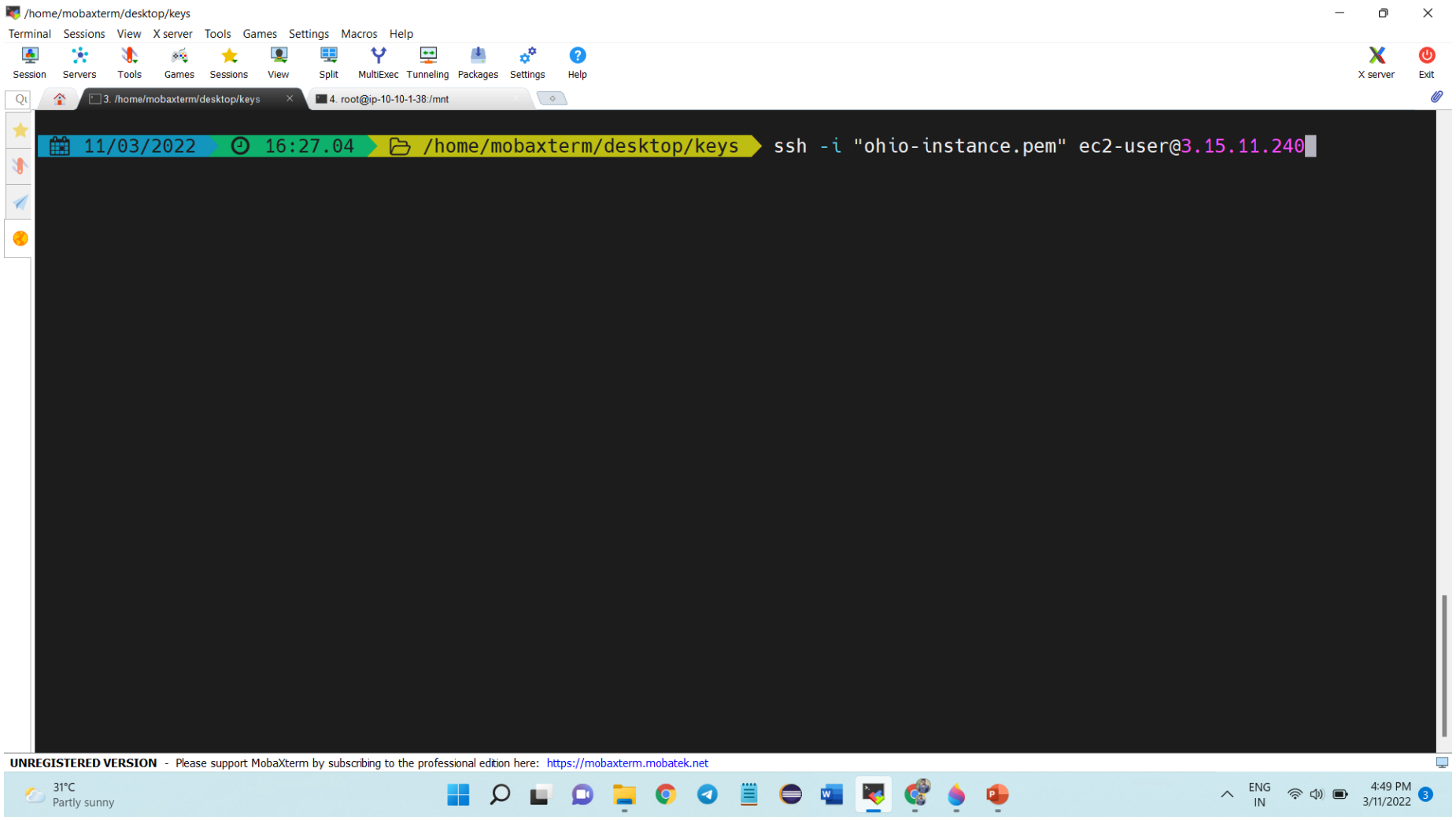

- Select Key Pair and Launch Instnace



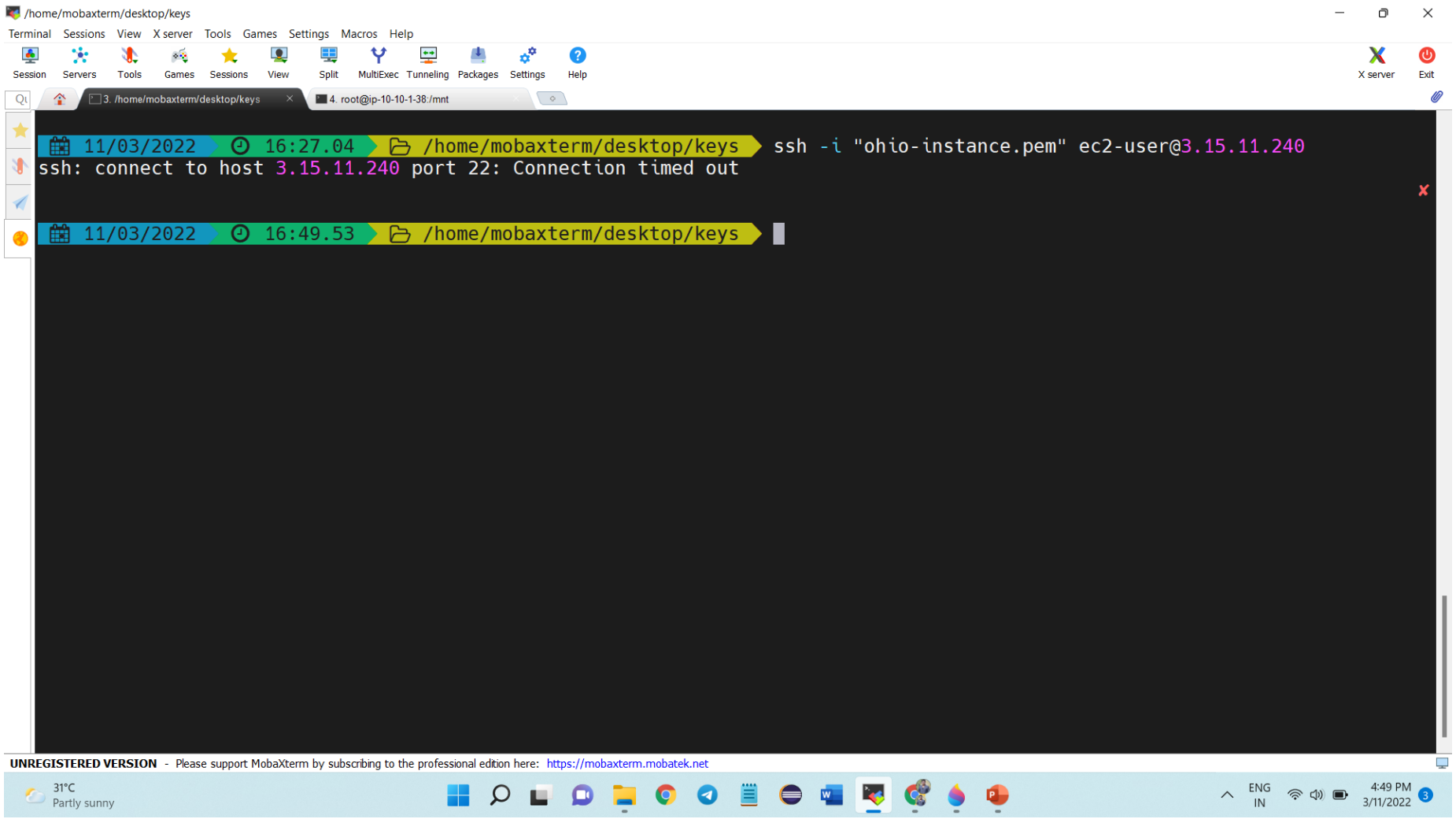

- Here our instance is Running fine.
- Now we will try to connect it. So click on Connect



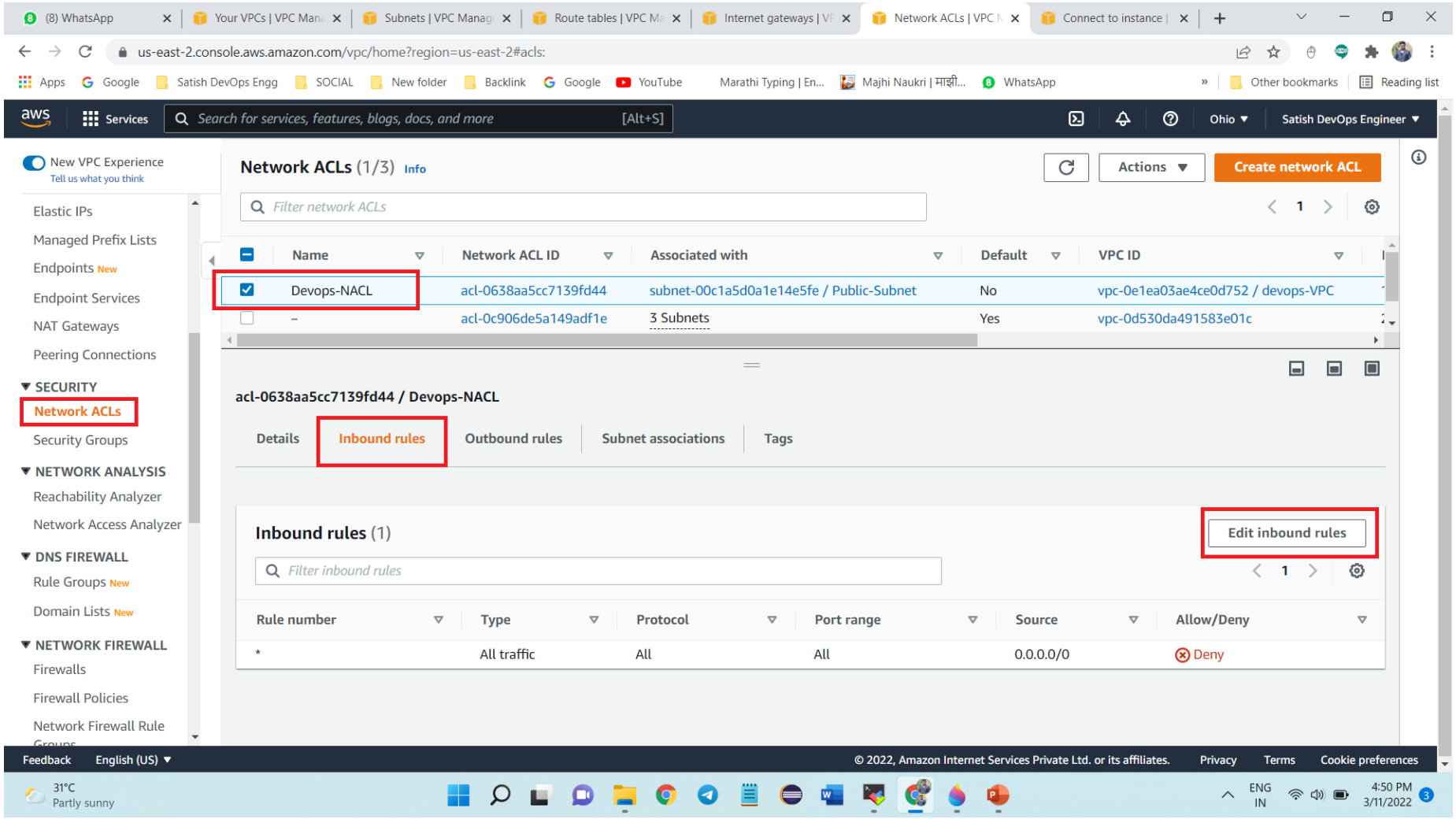

- Copy the Last Command



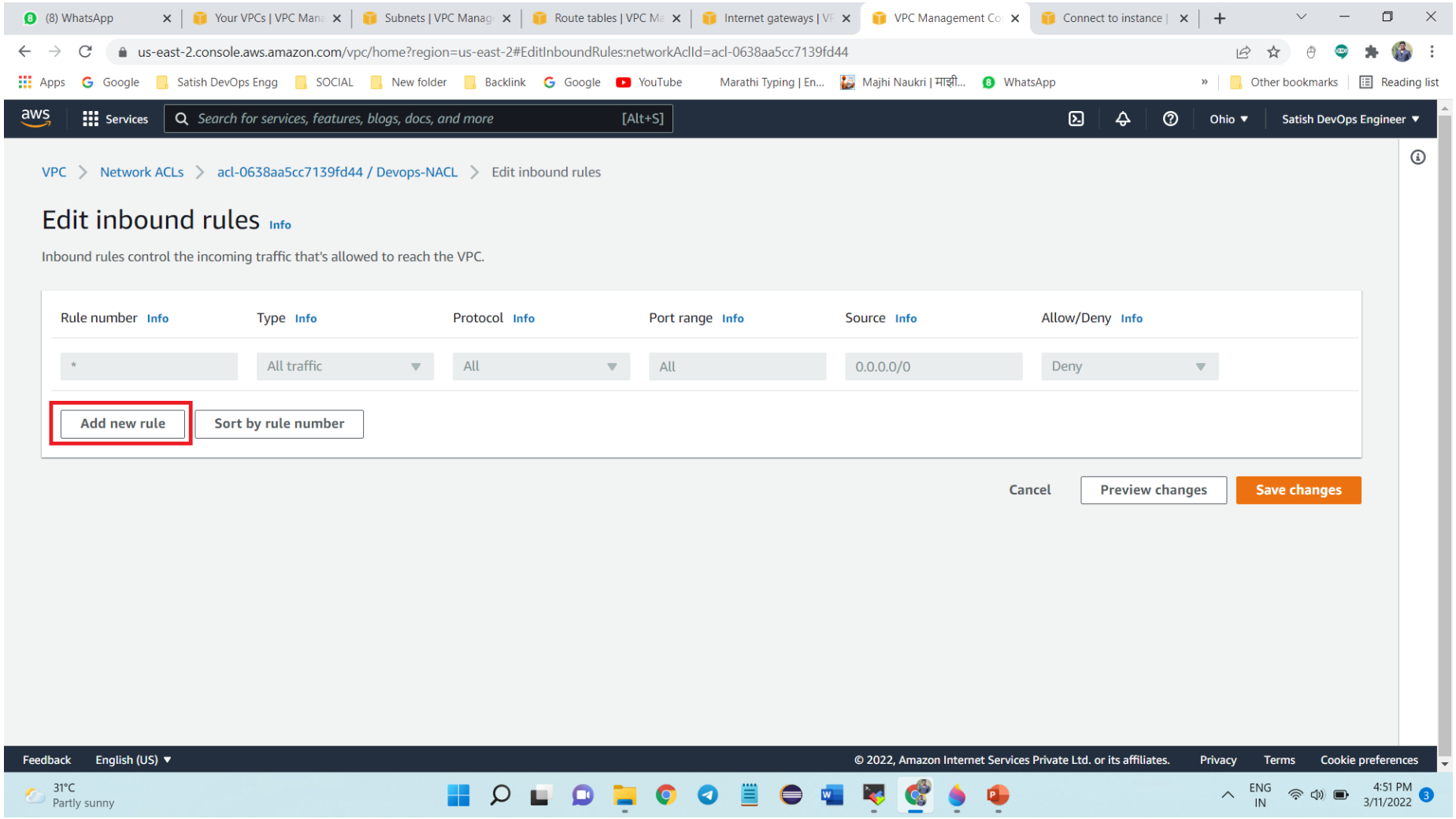

- Paste in MobaxTerm
- Press Enter



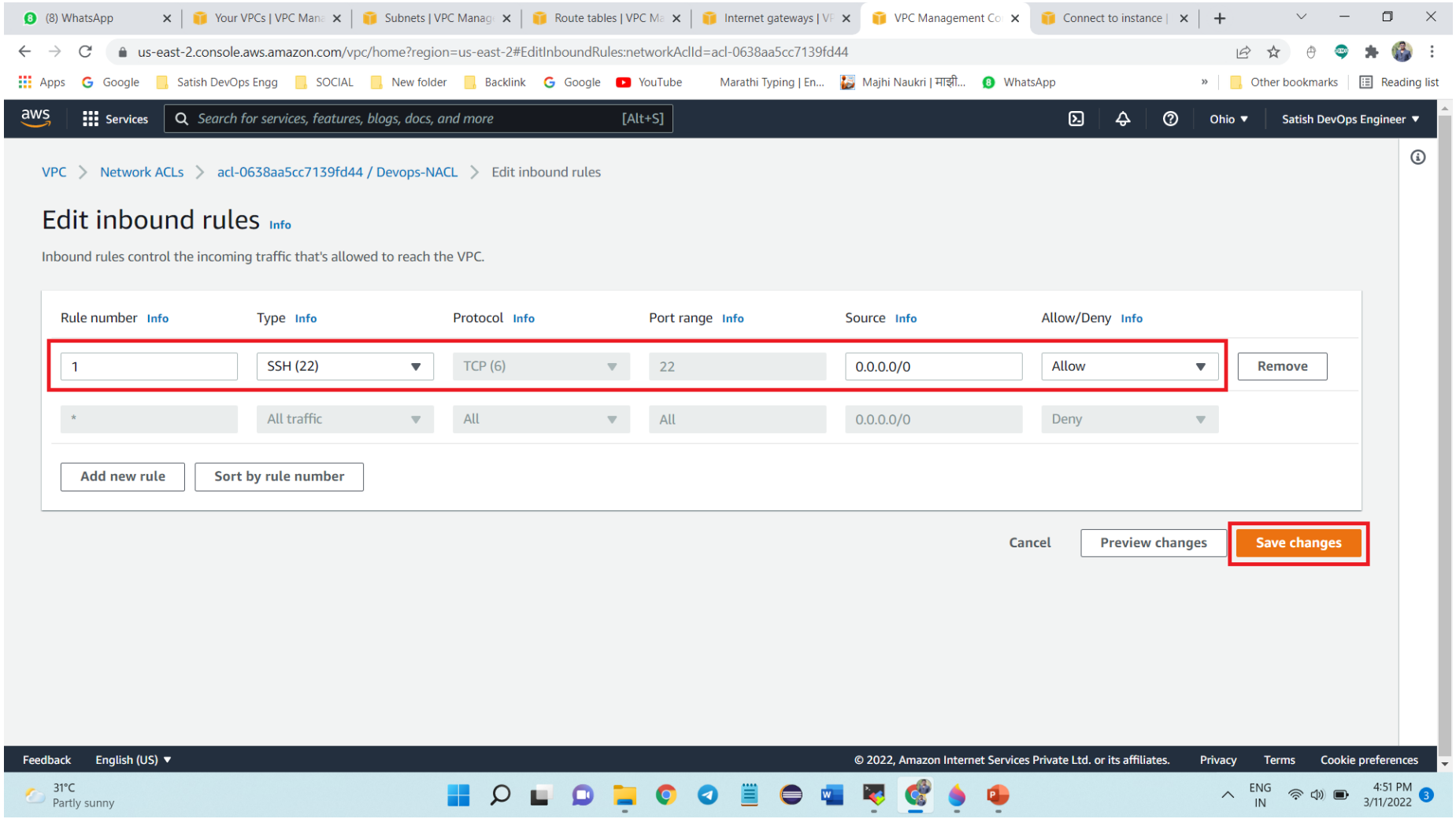

- Here we can see that it shows connection time out.
- **Because we have not set Inbound and Outbound Rules into Network ACL**



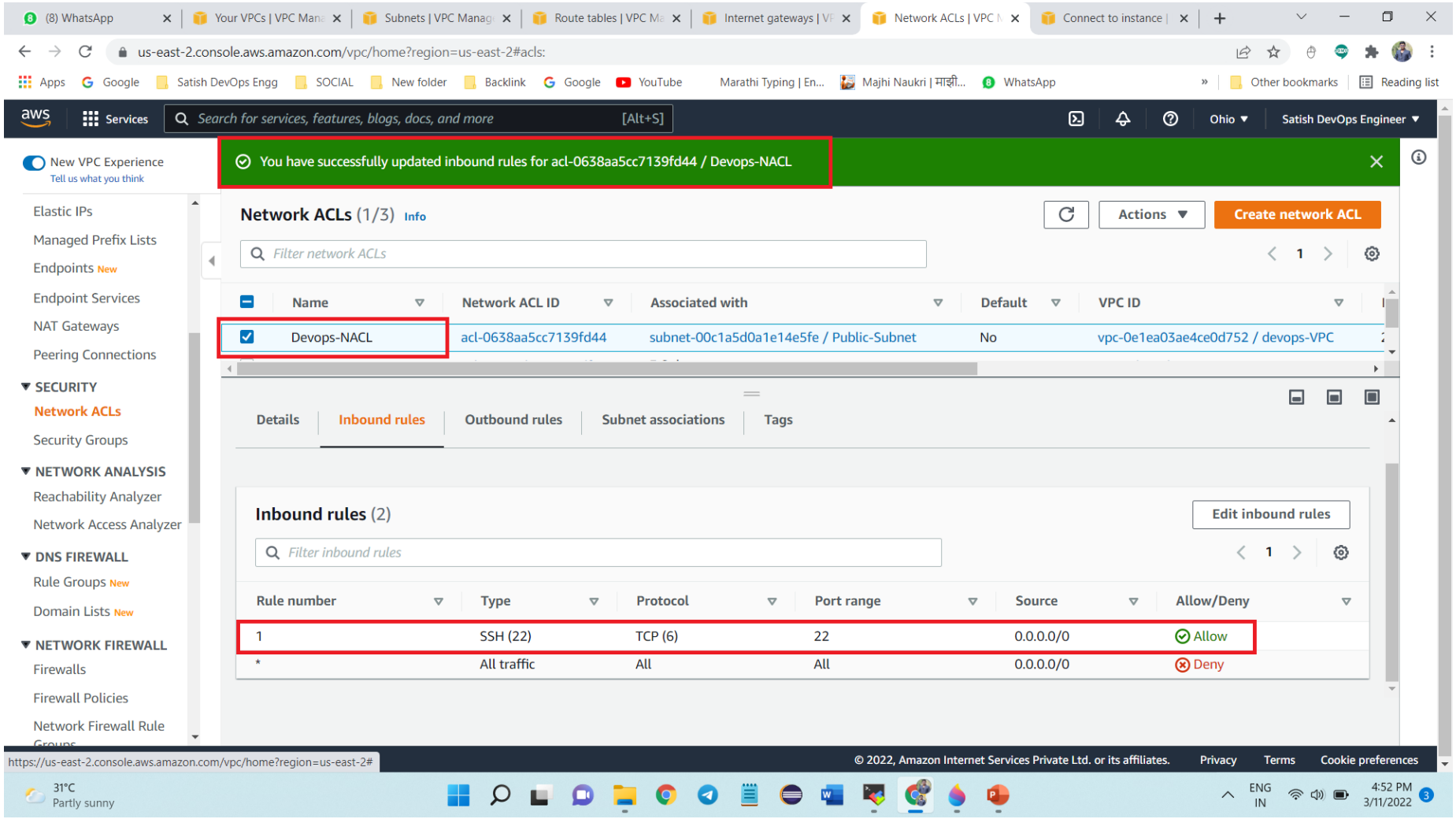

- So go to Network ACL and Select our NACL
- Click to Inbound Rules
- Click on Edit Inbound Rules




- Click on Add Rule

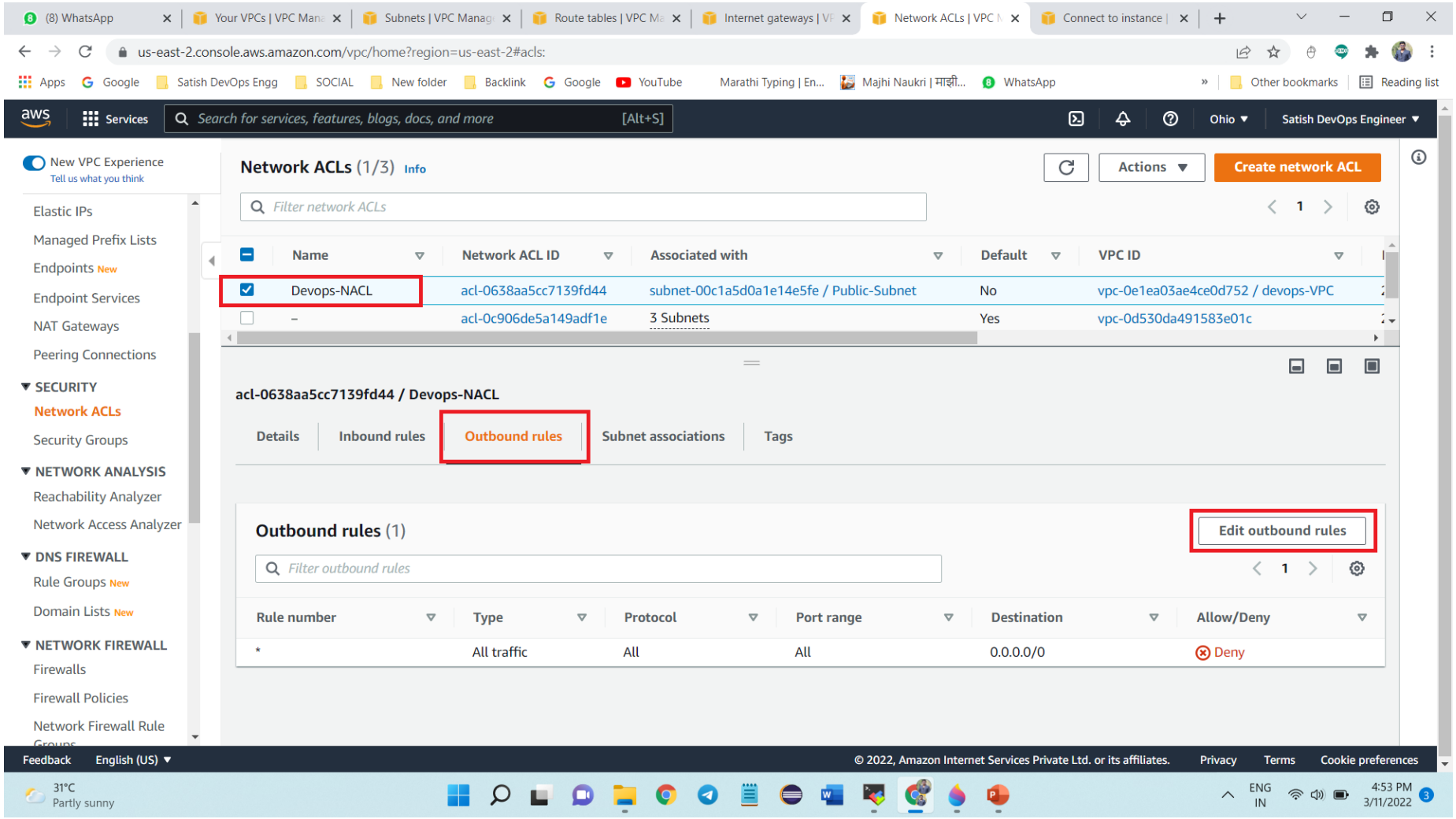



- Select SSH 22 and Allow it
- Click on Save Changes

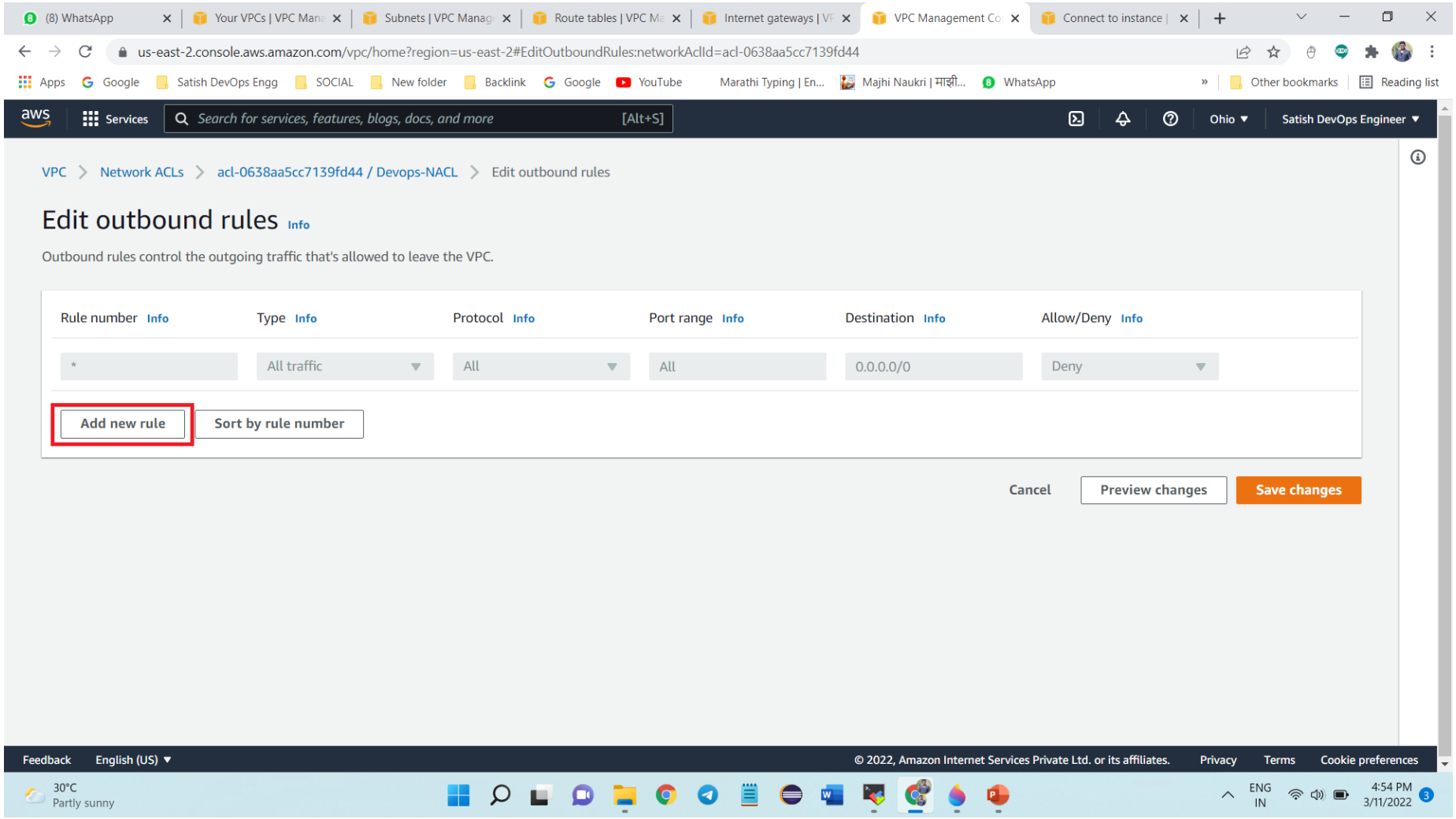



- Here our Inbound Rules are Saved.

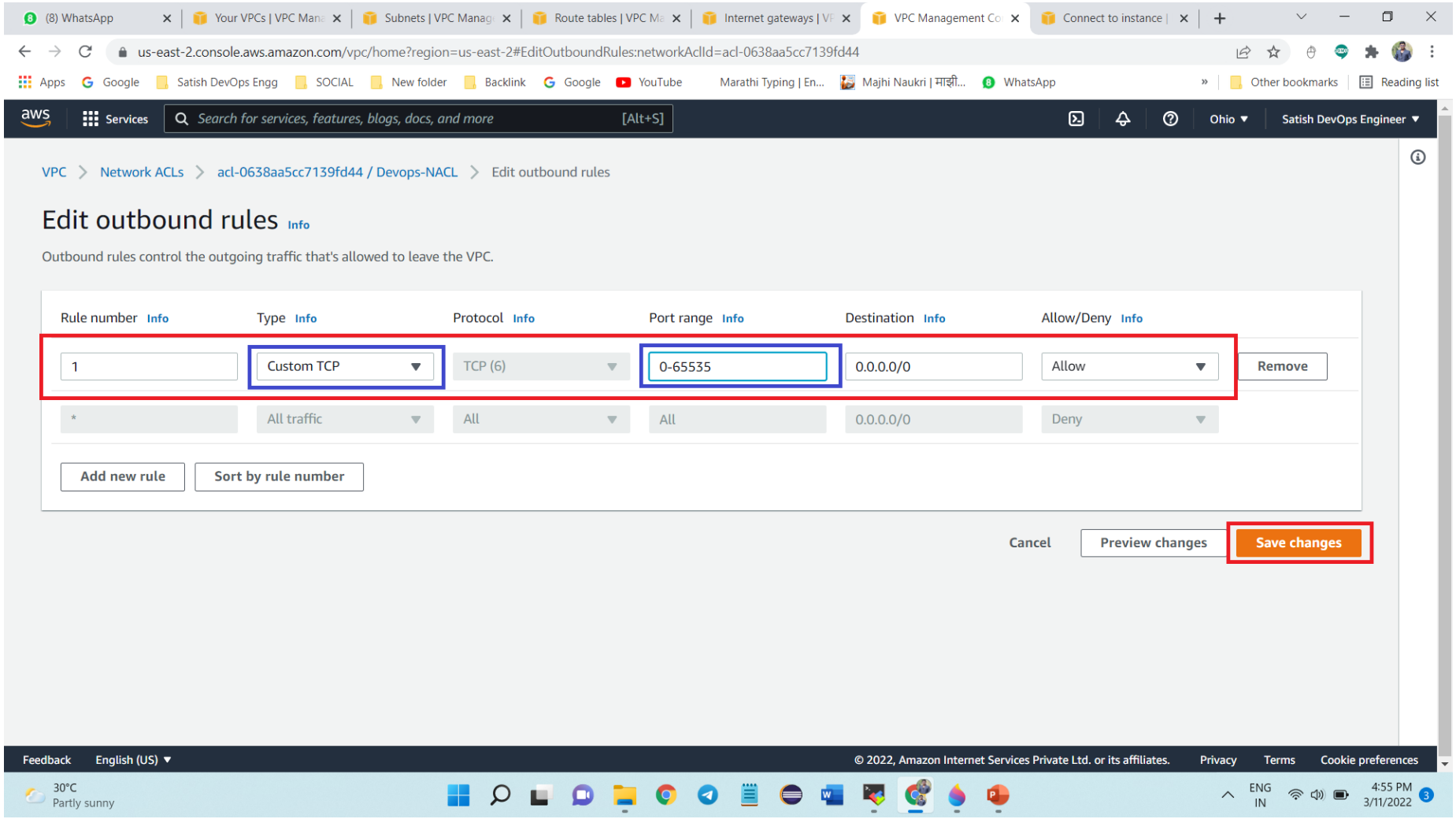
# Now Change the Outbound Rules



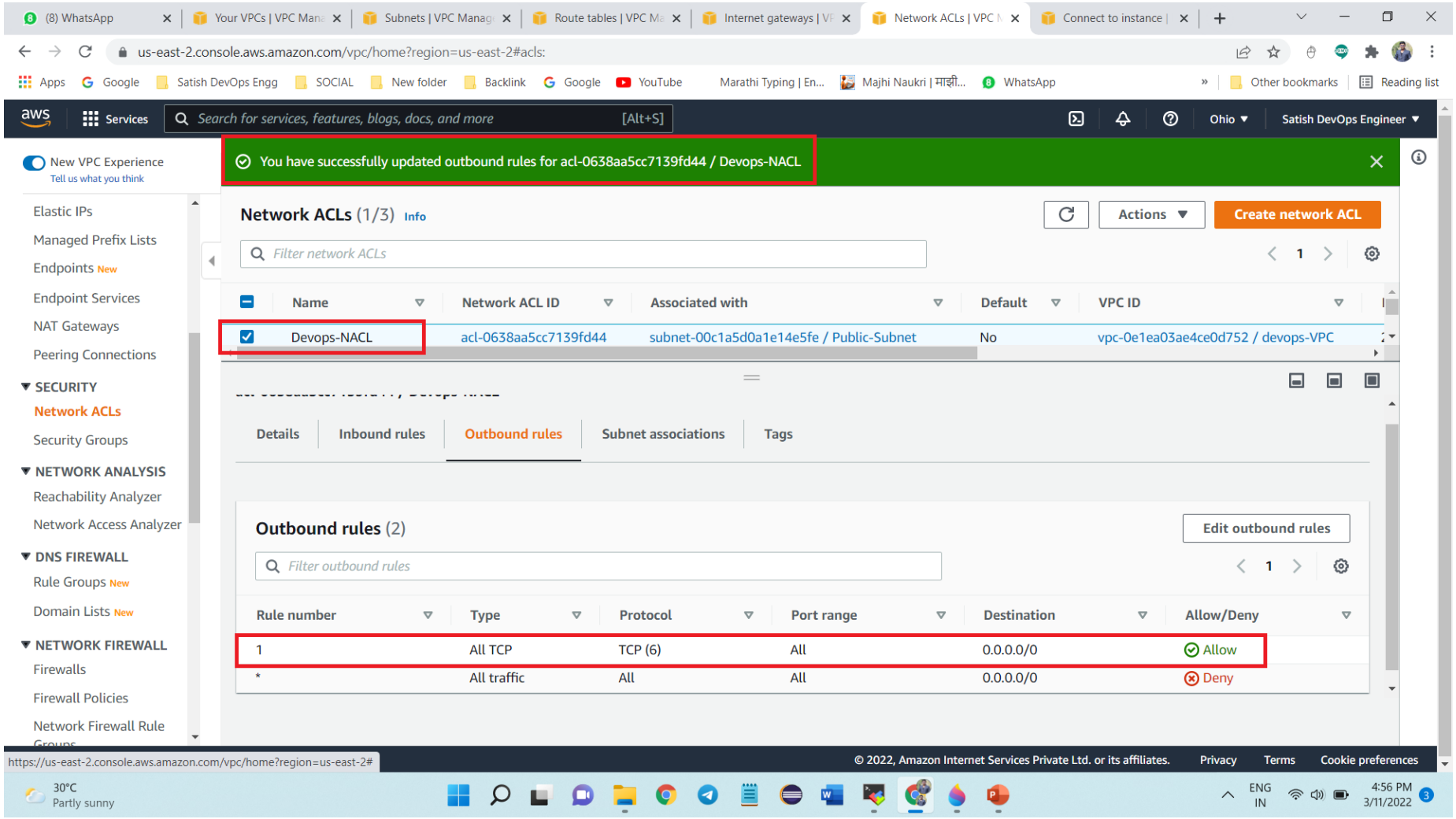

- Select our Network ACL
- Click on Outbound Rules
- Click on Edit Outbound Rules



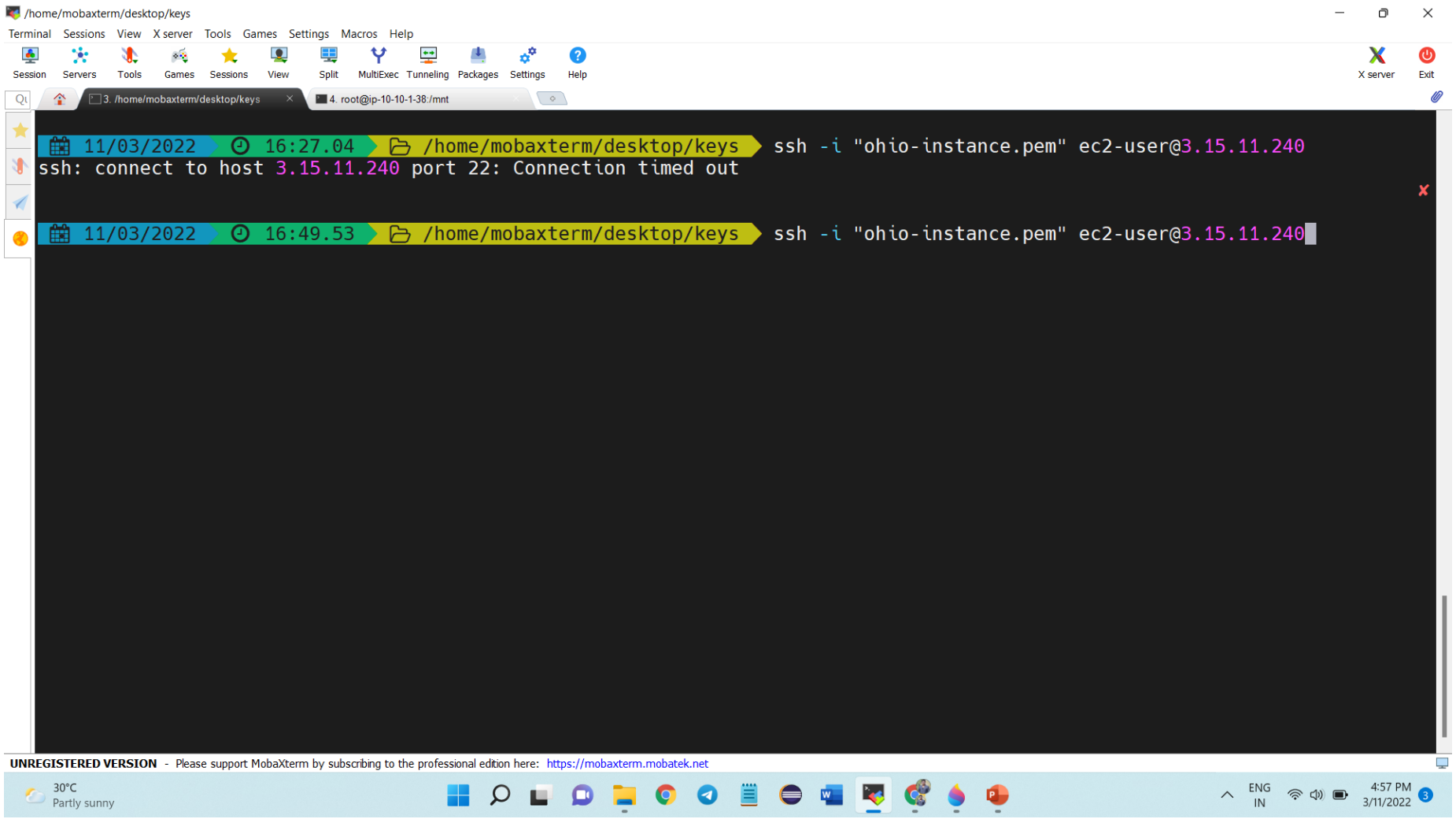

- Click on Add New Rule



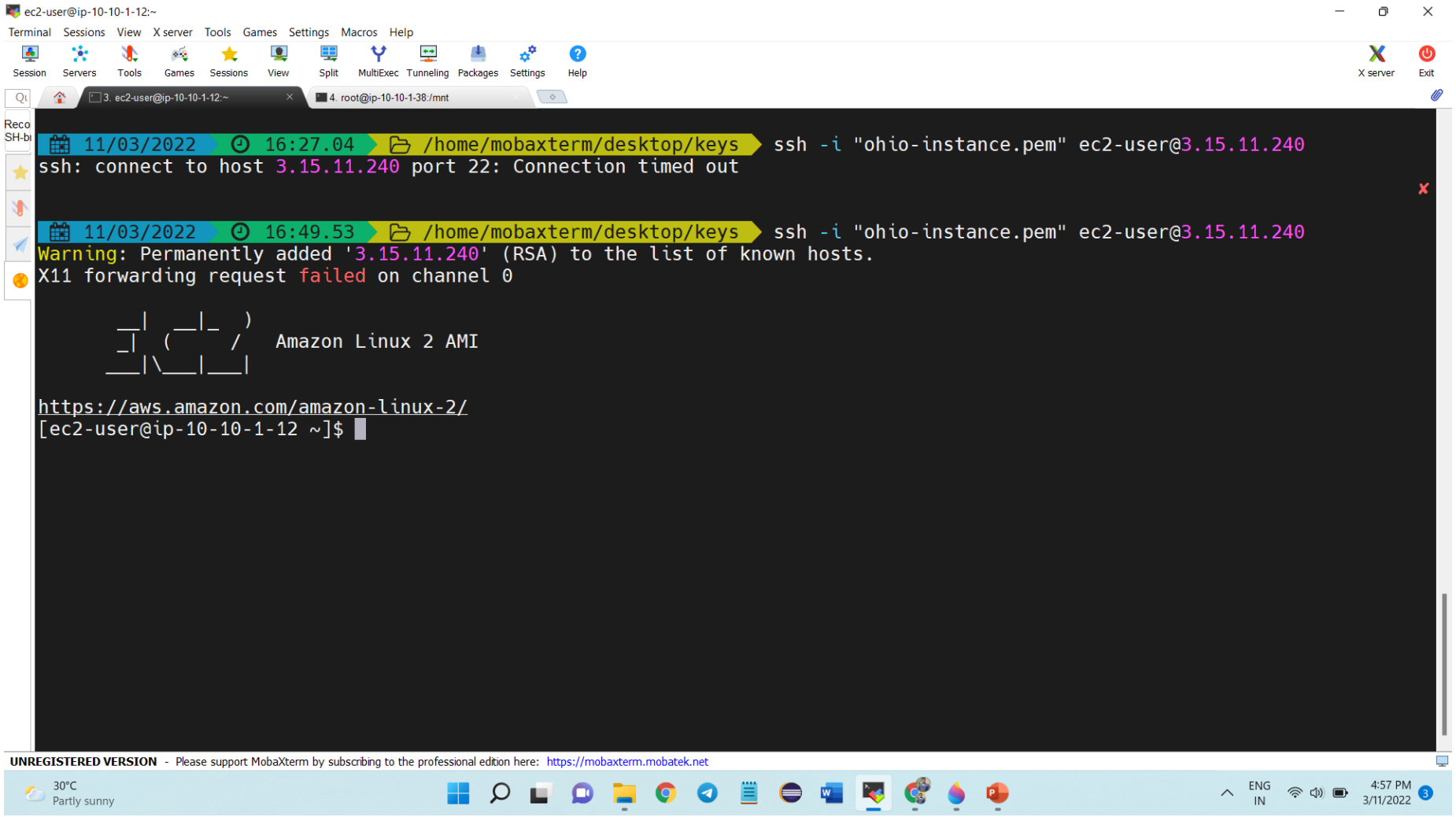

- Select Custom TCP and Port Rage as 0-65535
- Click on Save Changes




- Here we can see that our outbound rules are saved successfully




- Now go inside MobaxTerm and run our Connect Command Again
- Press Enter




- Here now we can see that we are able to do ssh to our machine.

- So here we have seen that how **Network ACL** works as a 1st layer of firewall at Subnet level.
- Also we have to specify Inbound rules and Outbound rules Separately.

# Thanks for Doing Practical with Us