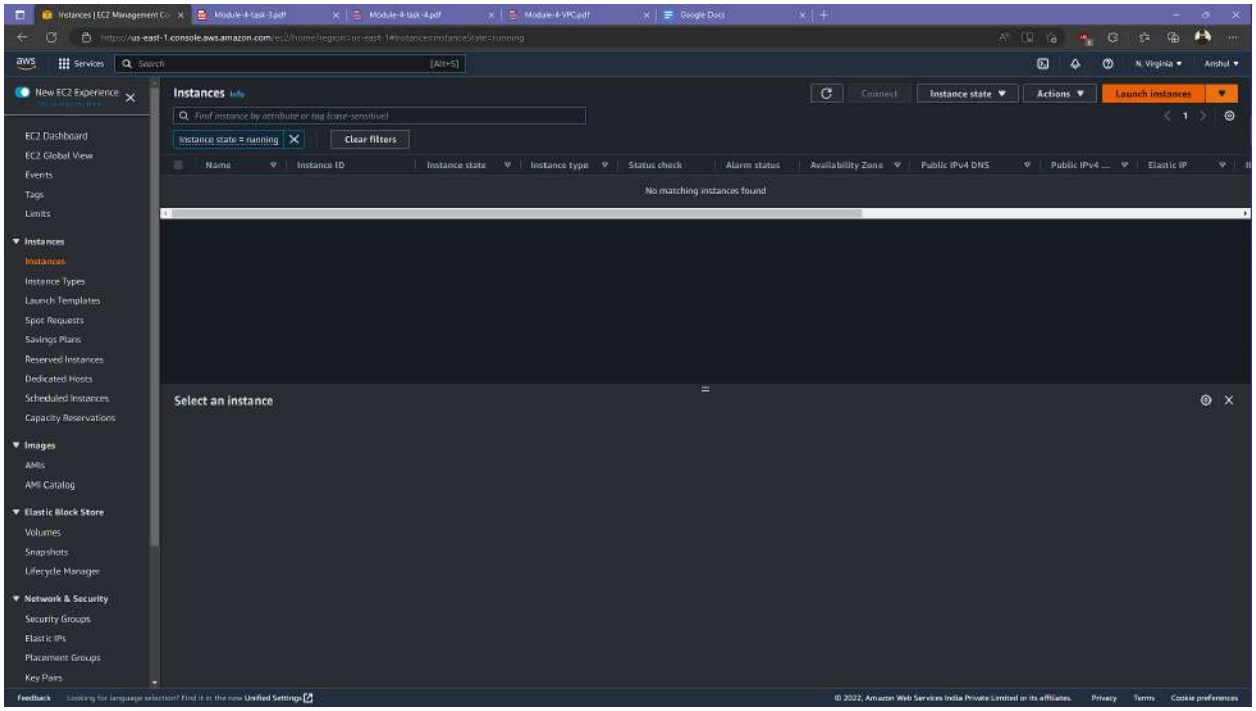
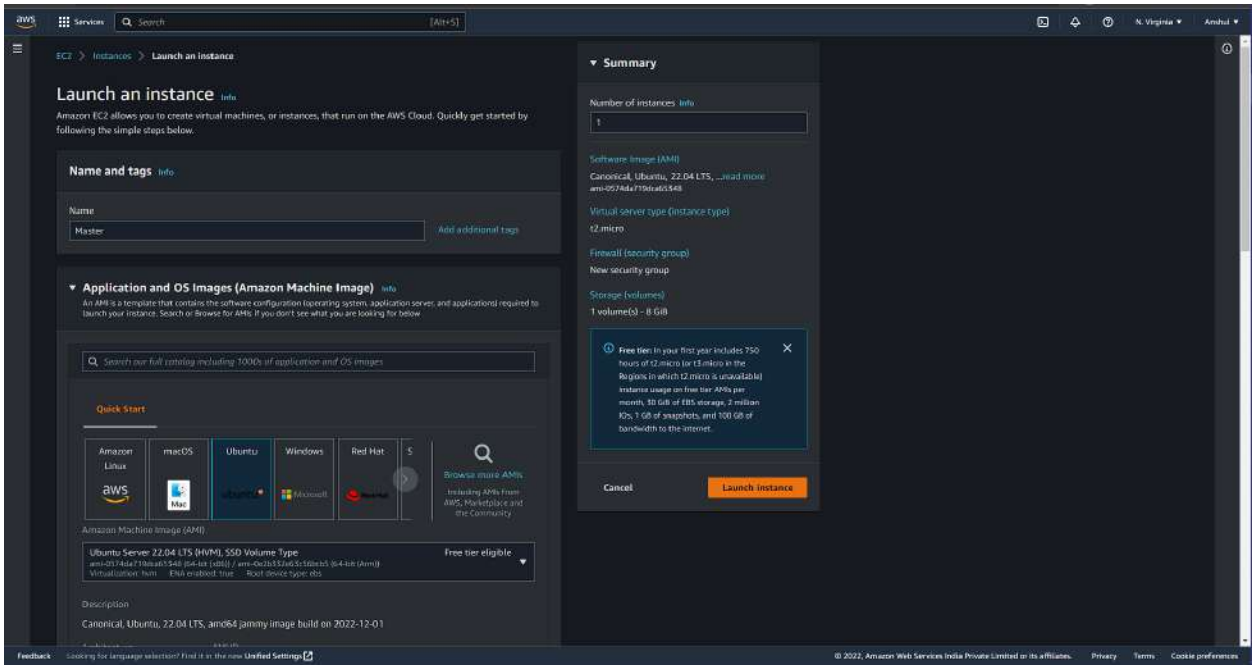
Module 4: VPC Assignment - 3

You have been asked to:
1. Create 2 EC2 instances in any public subnet of any VPC and name them Master and Client.
2. Using security groups, make sure that Client instances can only be accessed (SSH) through the Master instance.

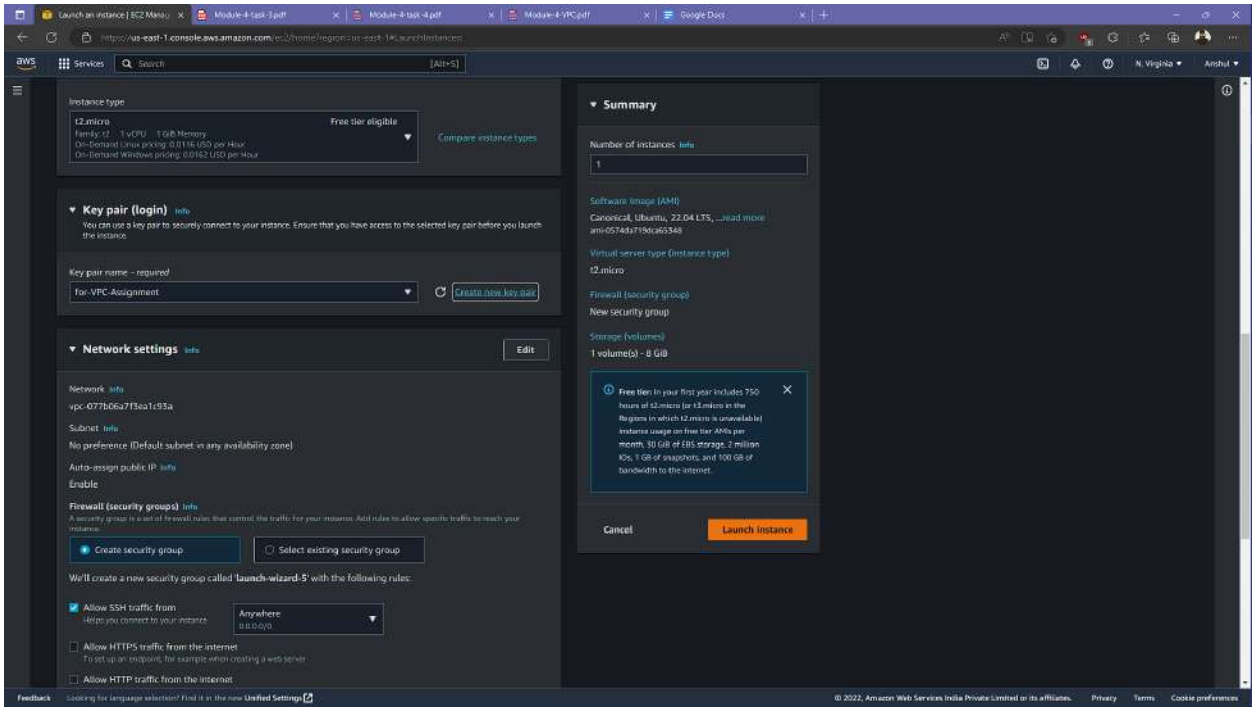
Let's launch 2 EC2 instances.



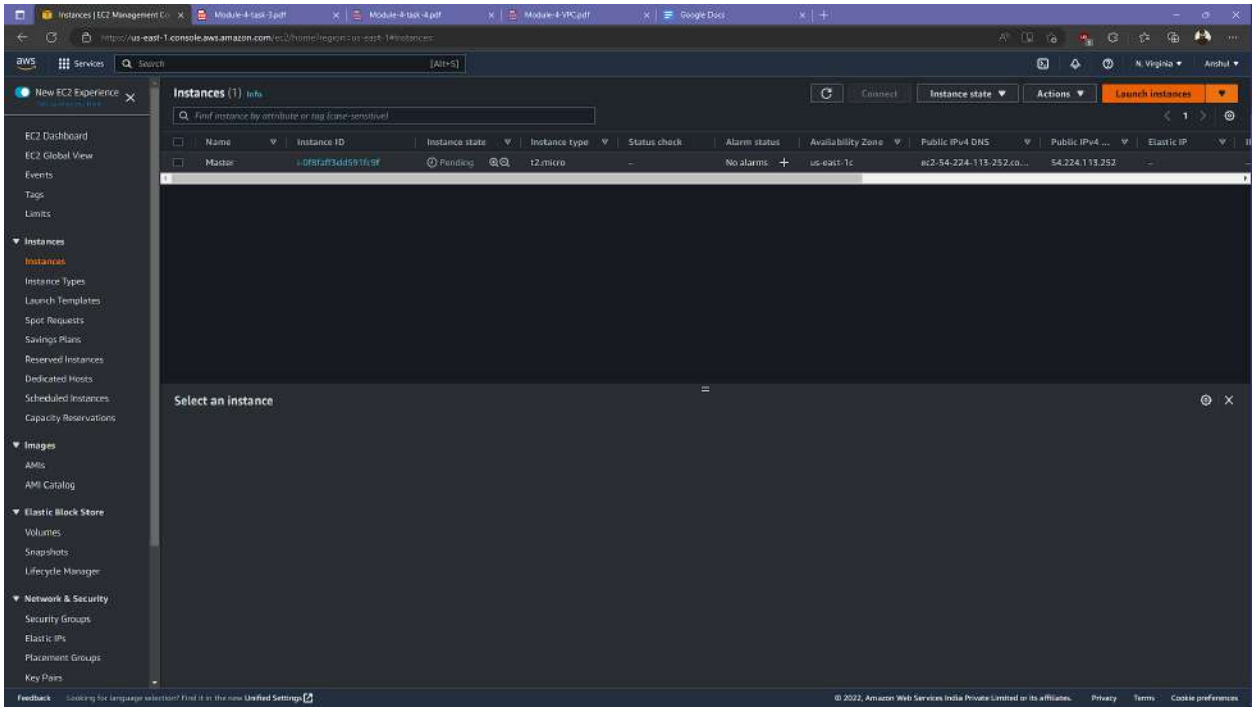
Name the first one as master.



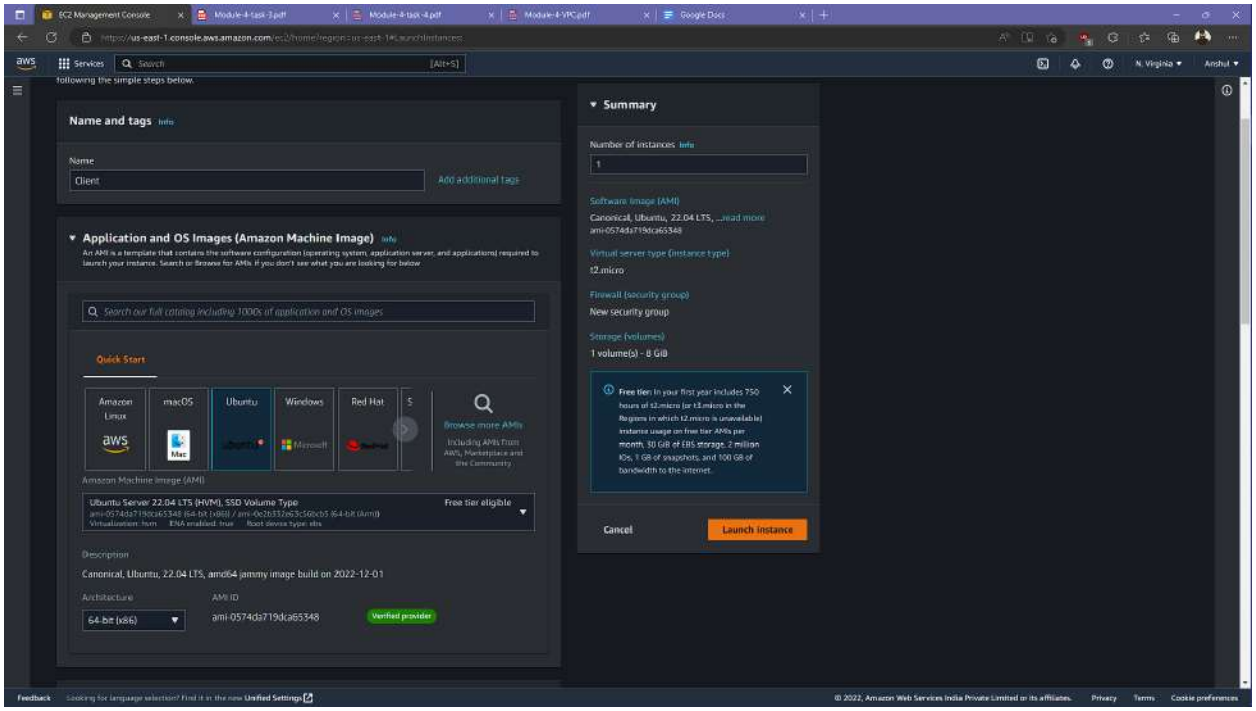
Allow SSh traffic from anywhere.



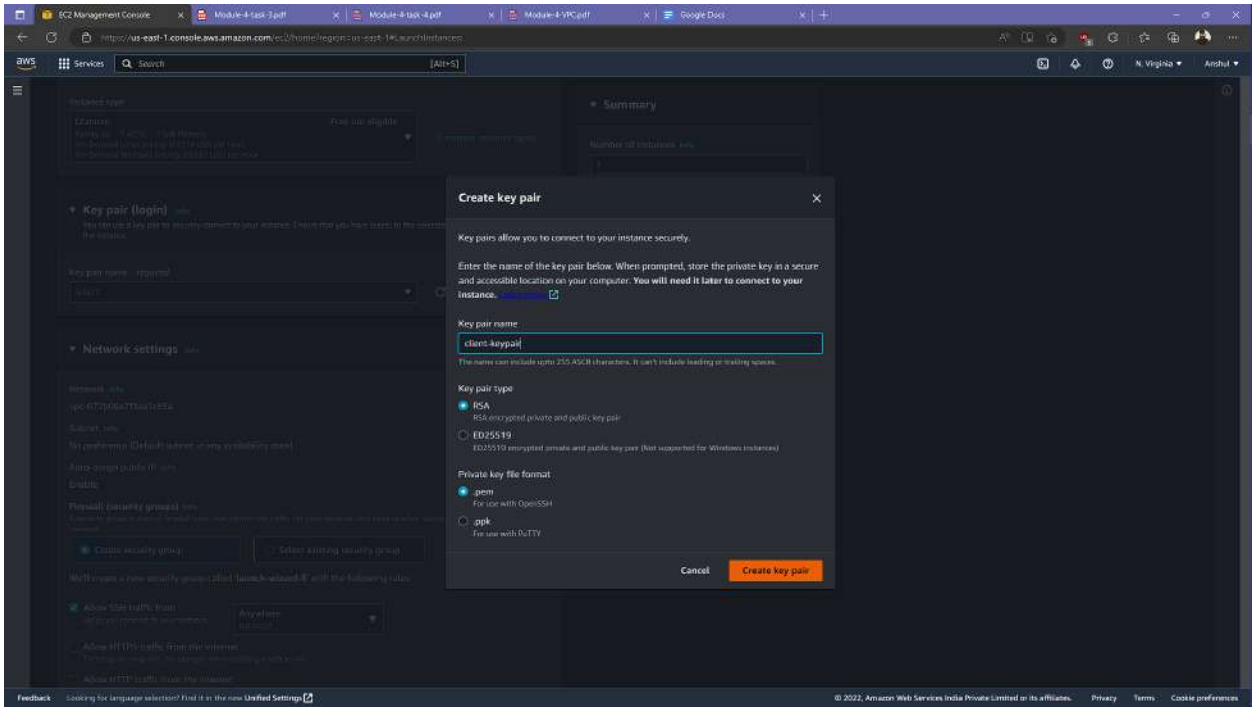
Launch a second Instance.



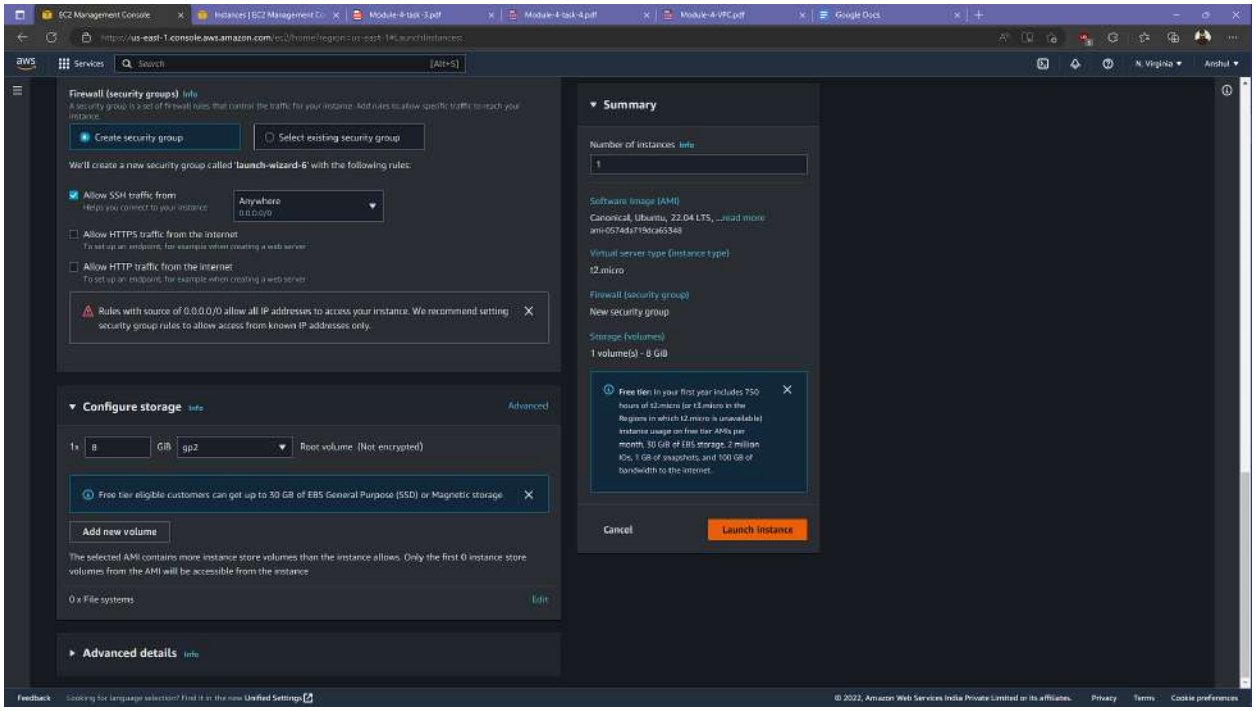
Name it as a client.



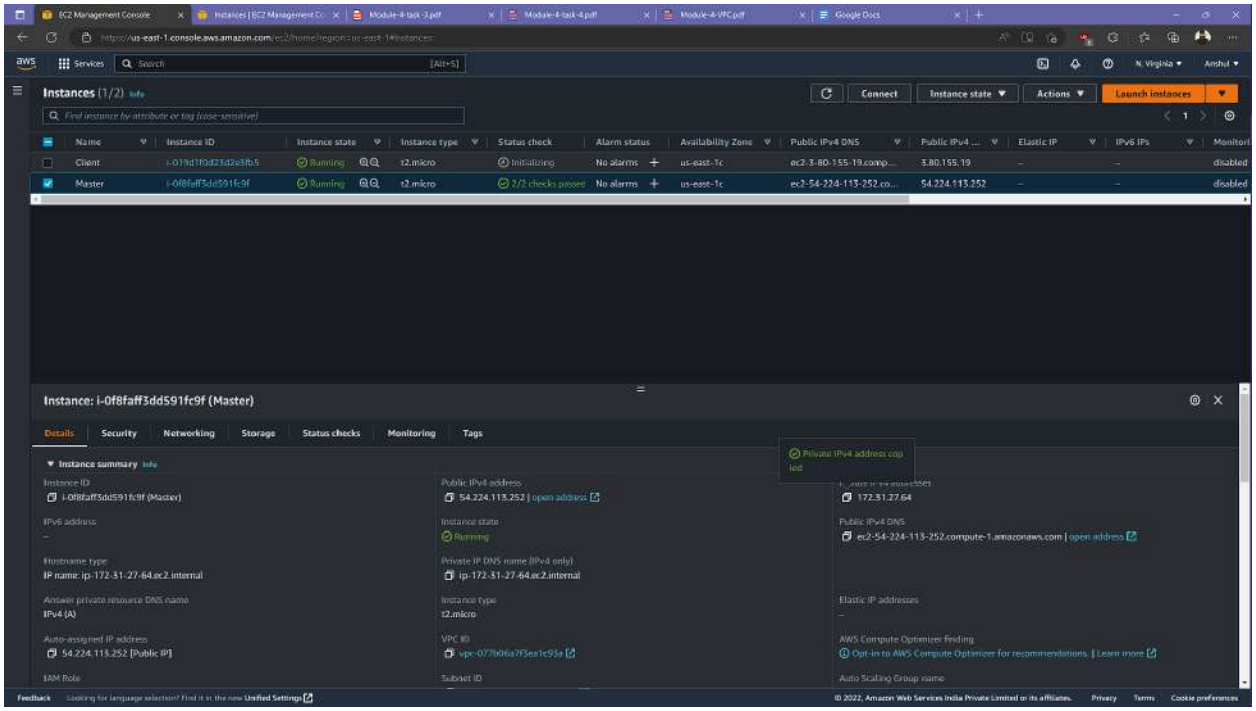
Create a keypair for connection.



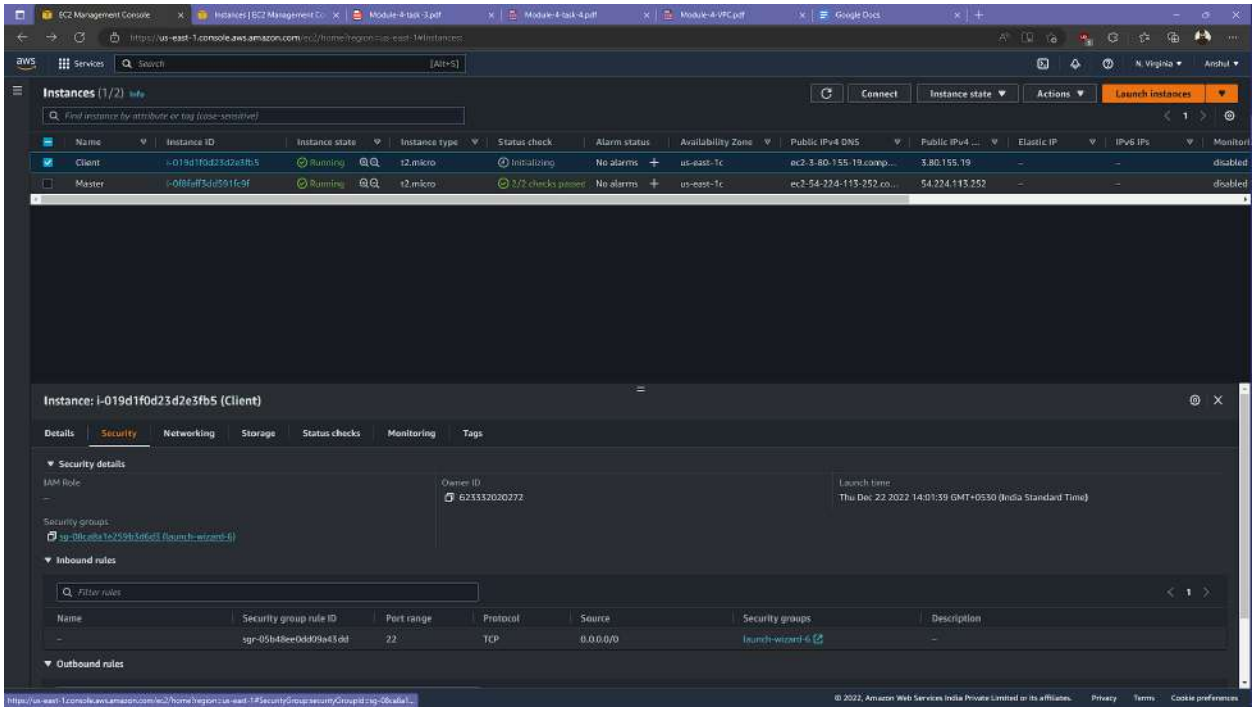
Allow SSH from anywhere for now.



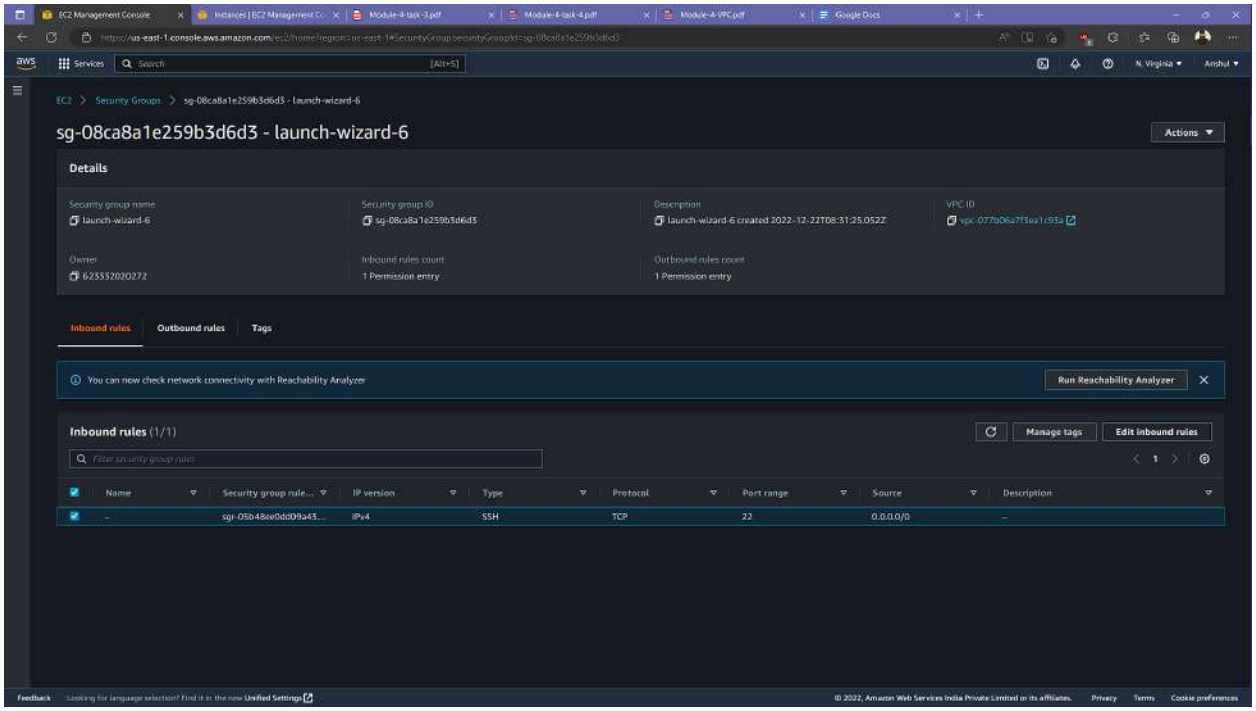
Copy Master Insyance's Private IPv4. We will need that later.



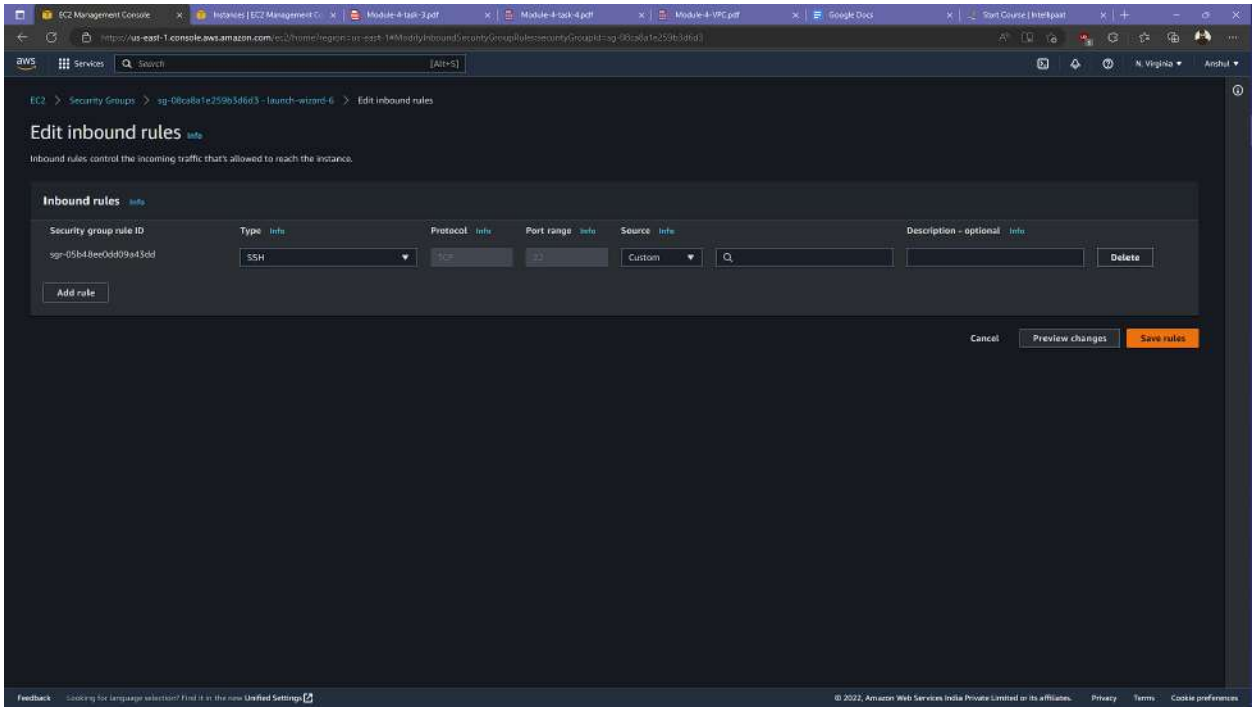
Select Client instance.And go to security and tap on security group.



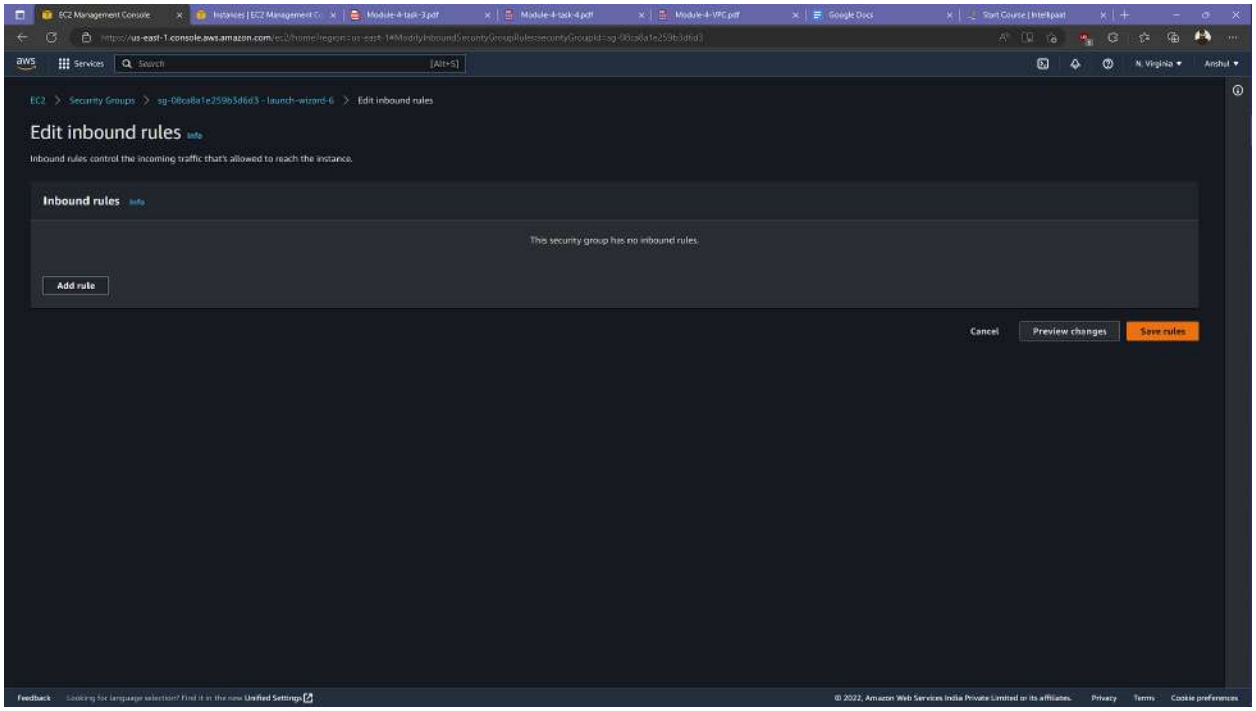
Select security group and select edit inbound rules.



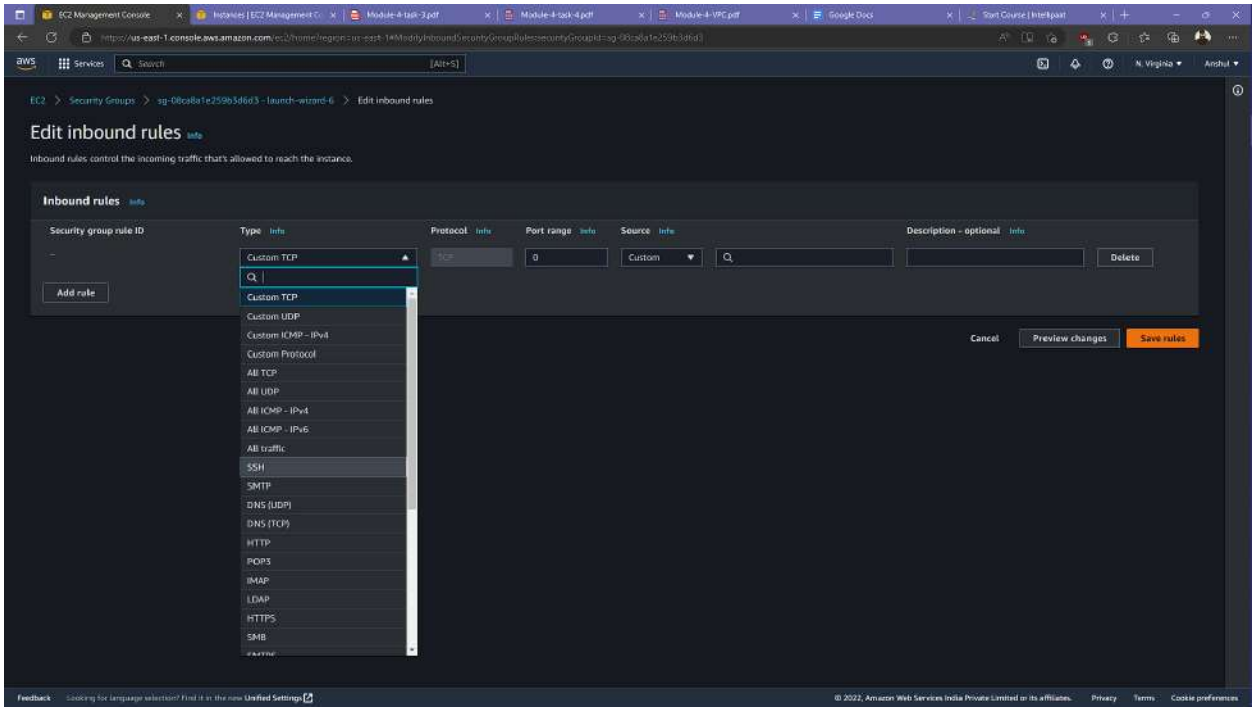
Delete current rule.



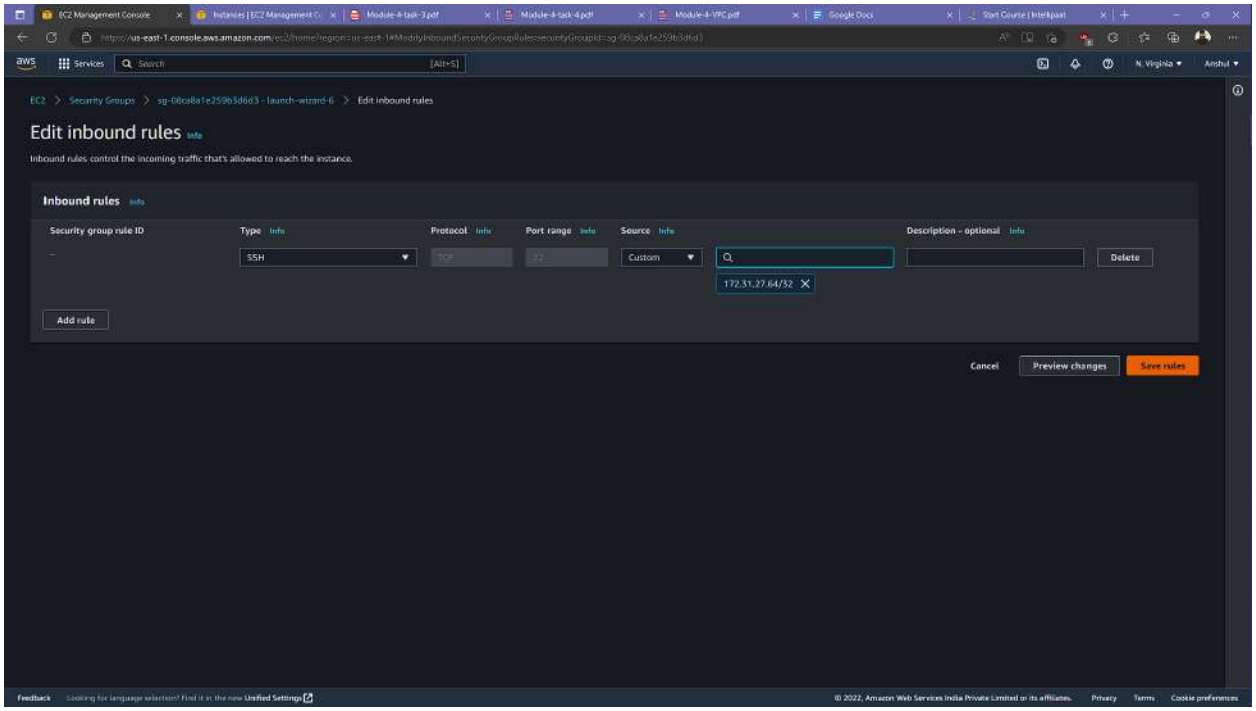
Select Add Rule.



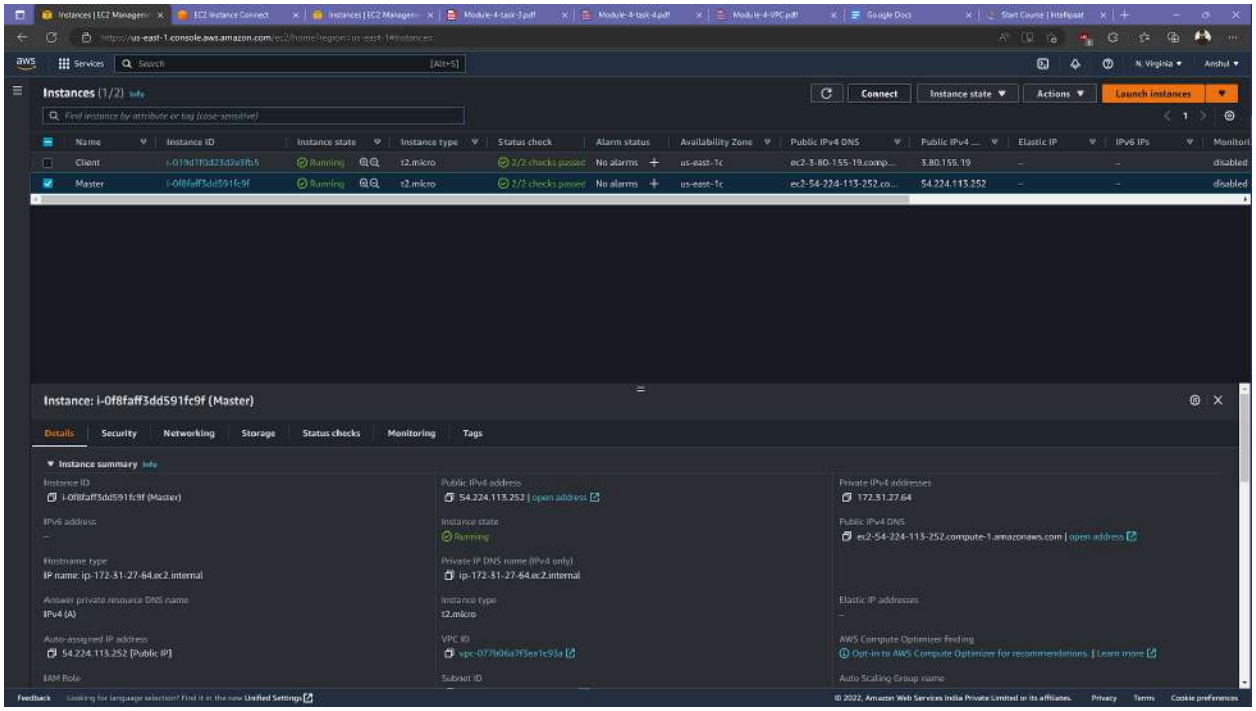
Choose type as SSh



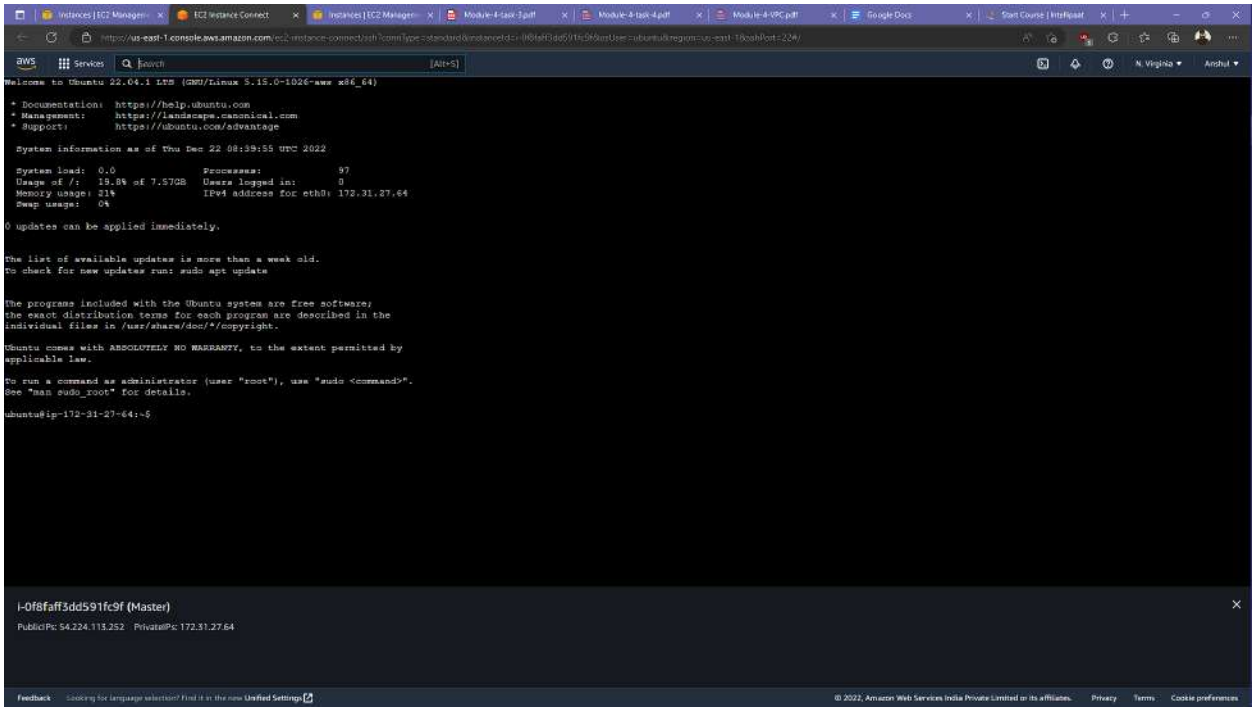
Let source be custom and paste the Private IPv4 of Master Instance.



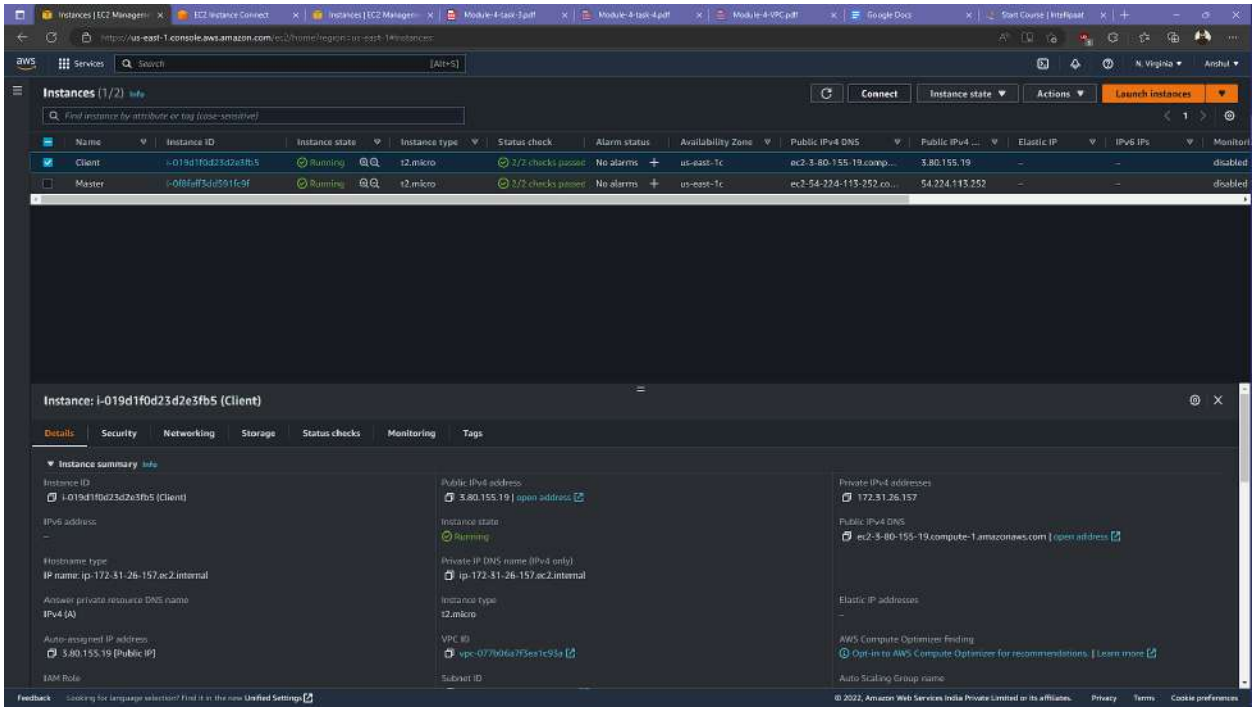
Let’s check if it is working or not. Connect to Master instance.



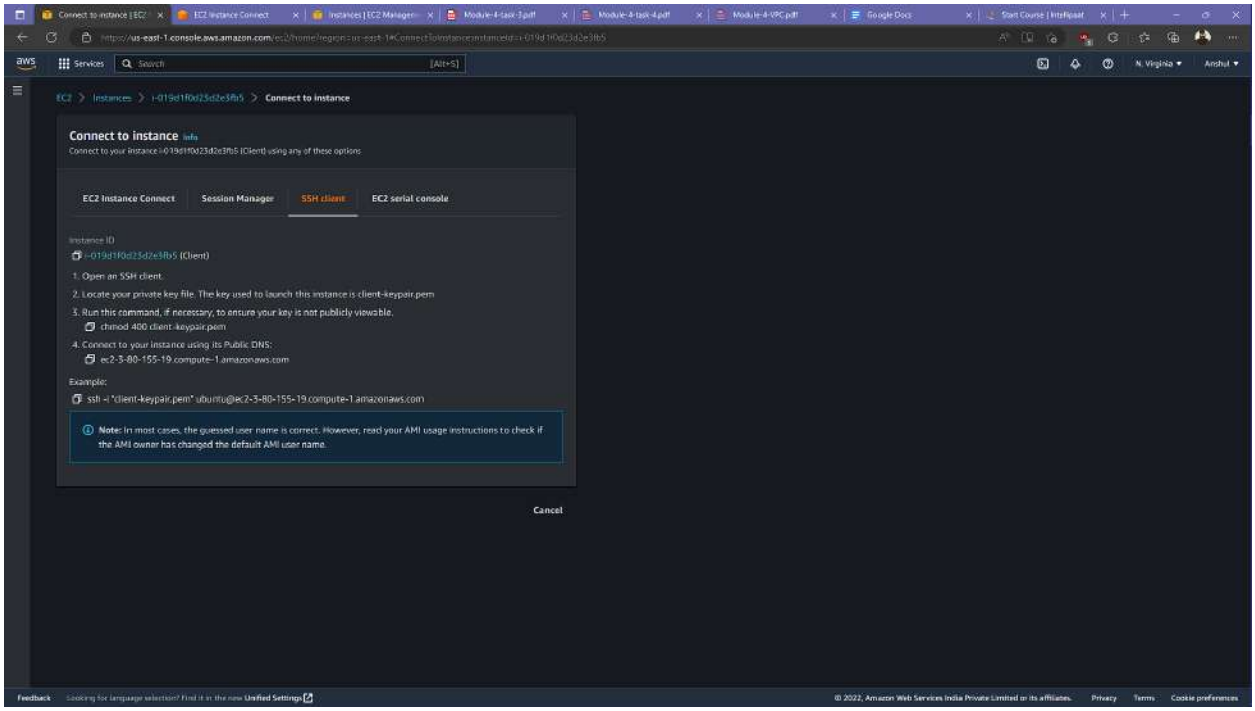
Connected to master instance.



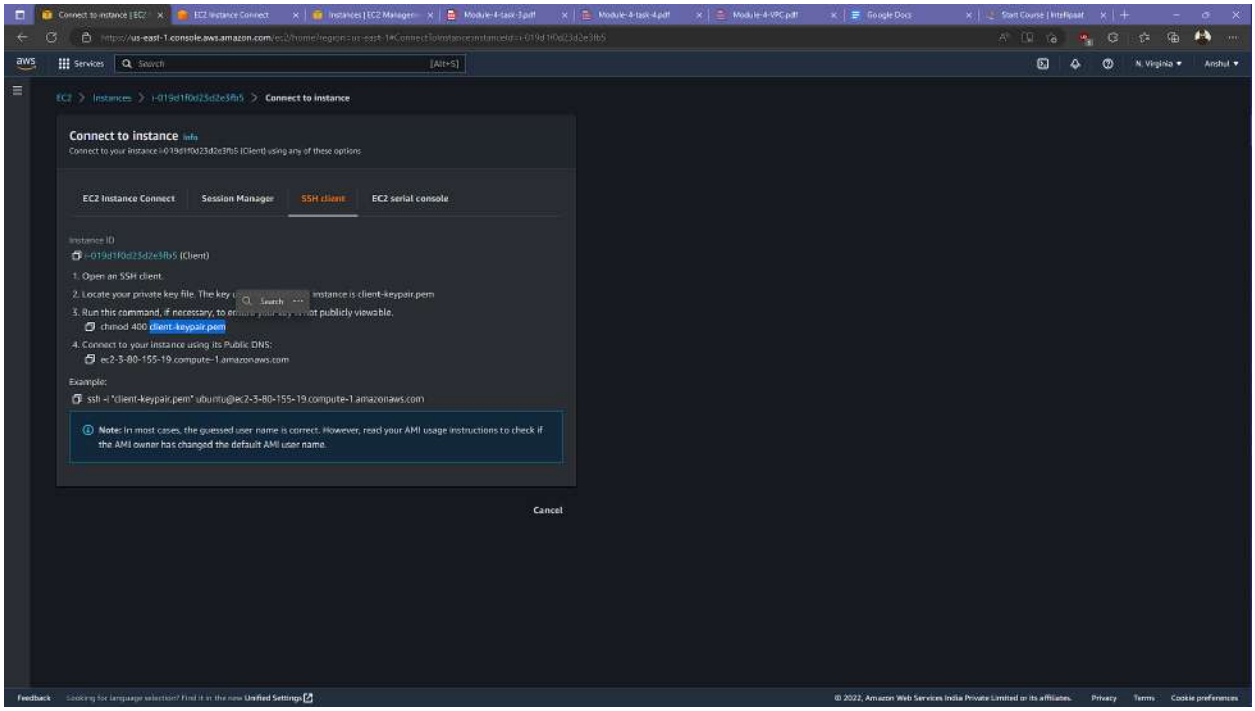
Now select the Client instance in another tab.



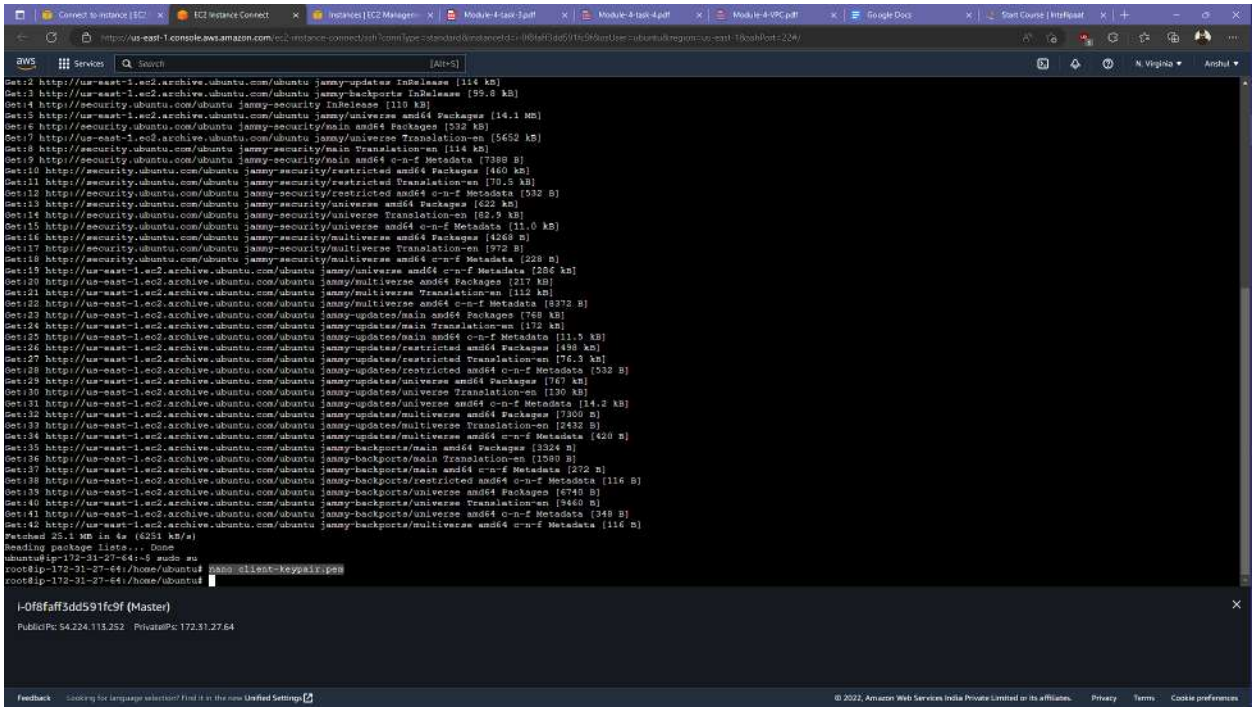
Click on connect and then choose SSH client. WE will need this later.



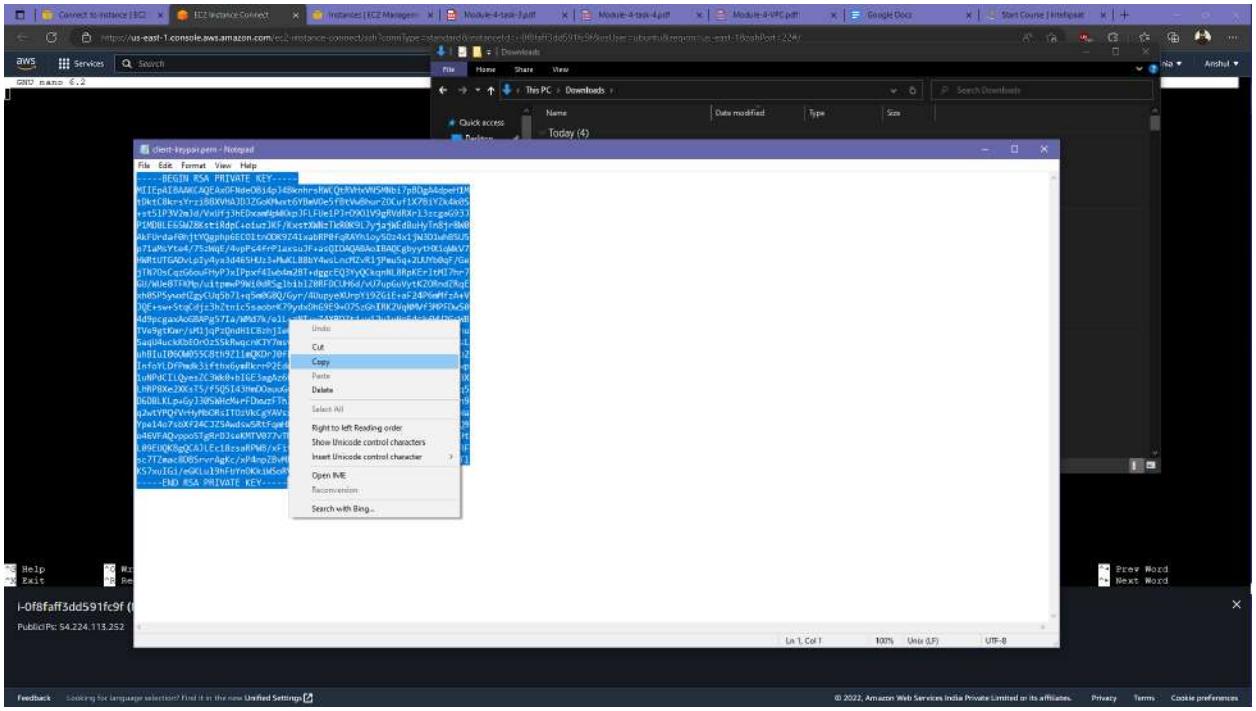
Copy the key pair name of Client.



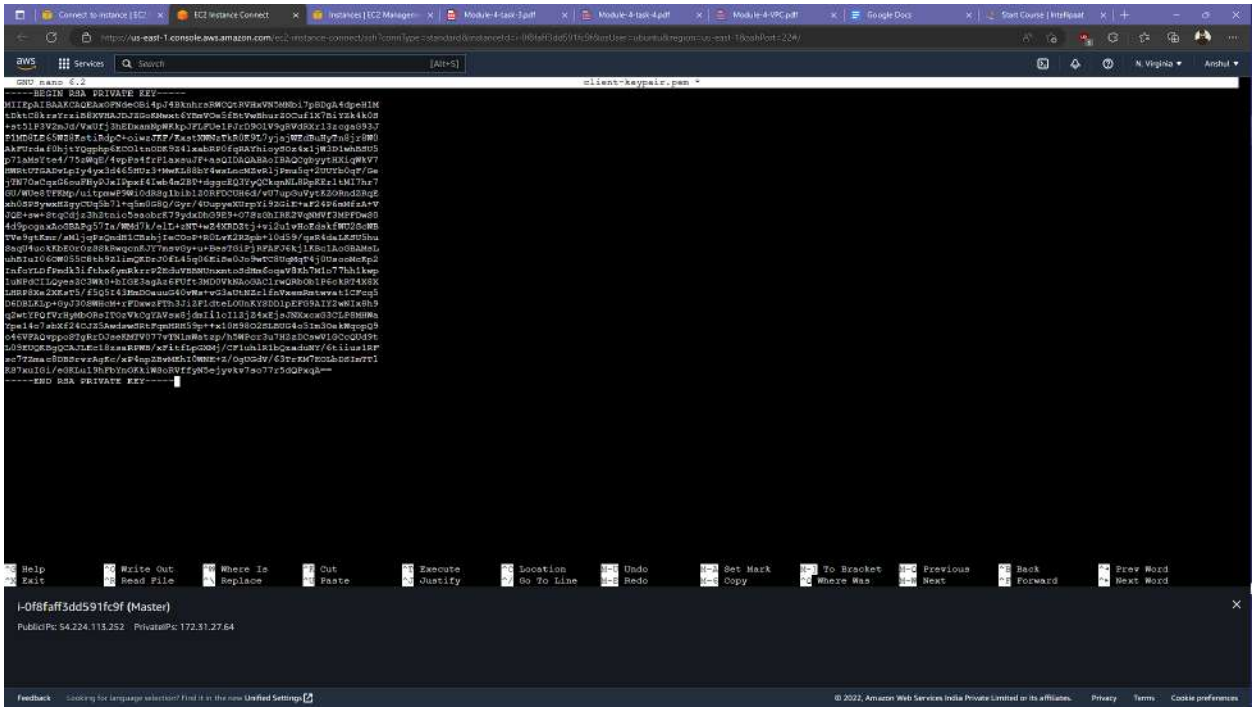
Nano <name of keypair> in master instance.



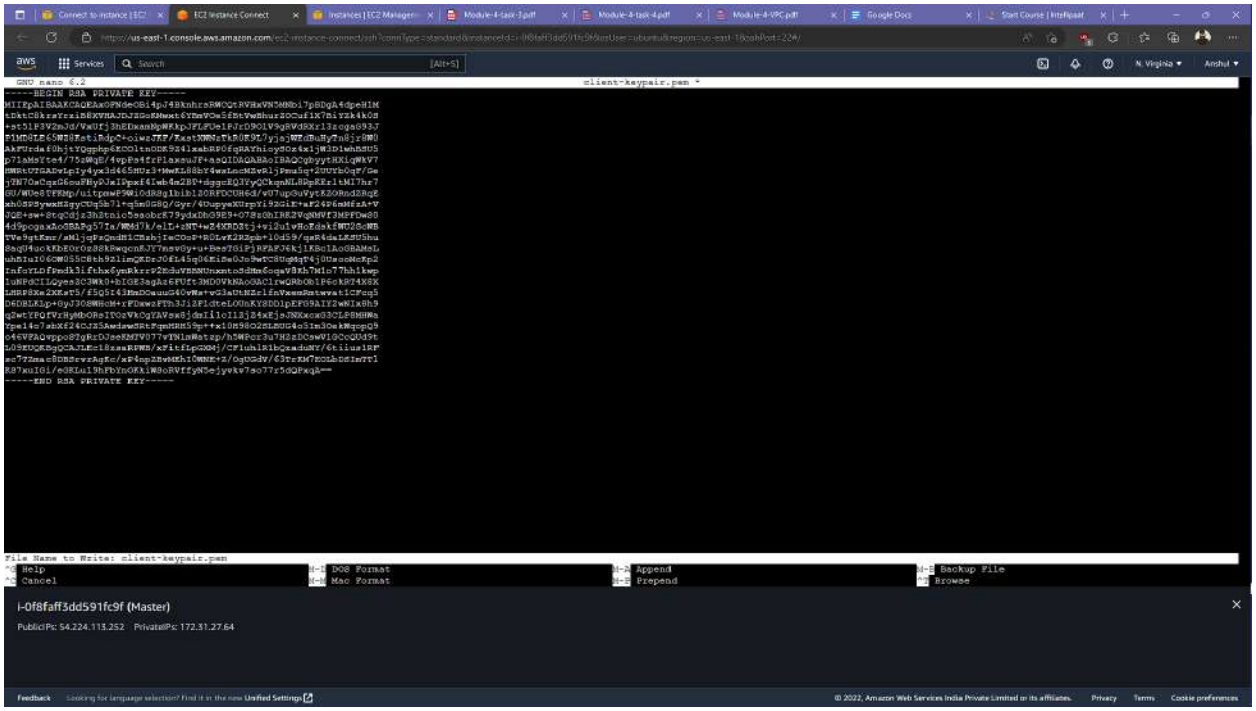
Open the keypair and copy all.



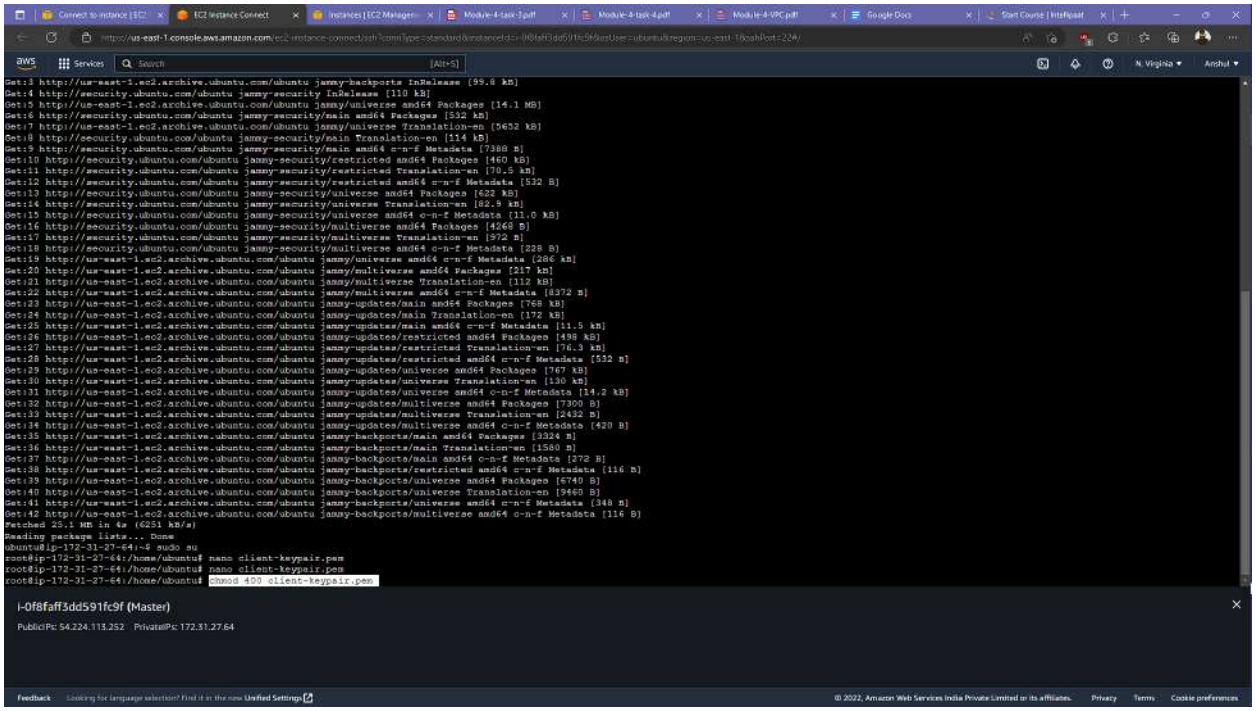
Paste it in Nano keypair in master instance.



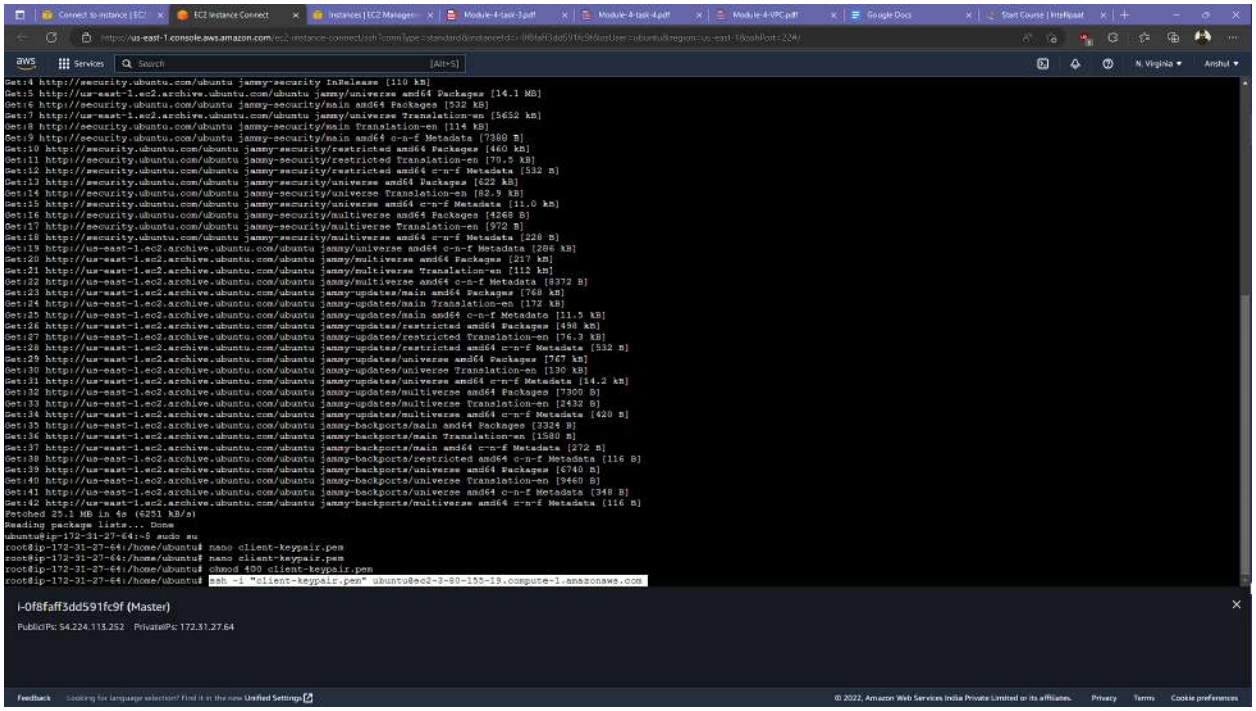
save and exit.



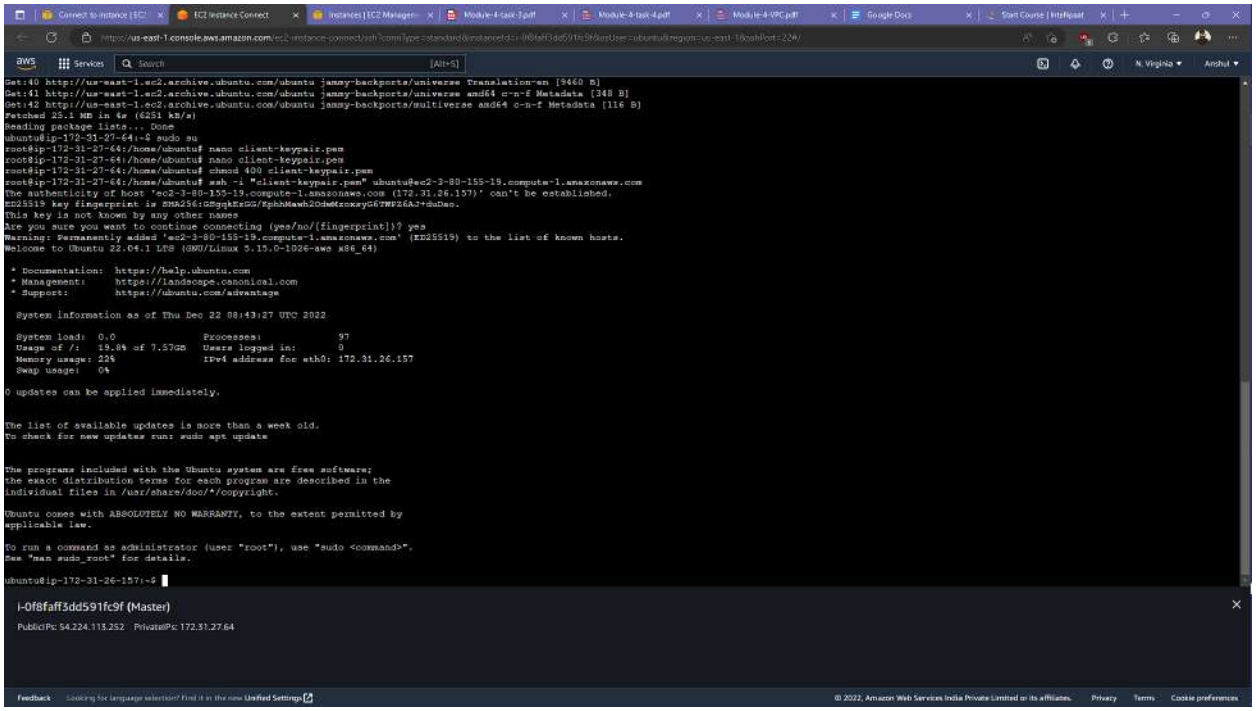
Now chmod 400 keypair so that now keypair is rteadonly now.



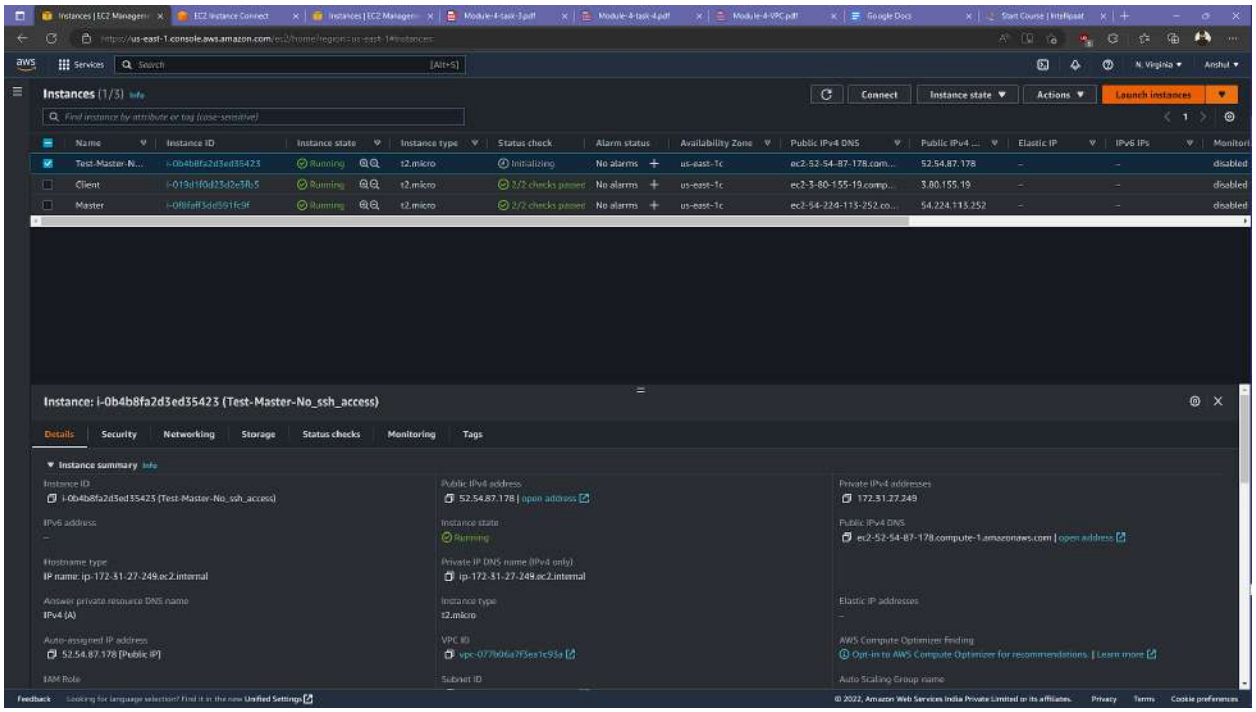
Connect to Client from Master.



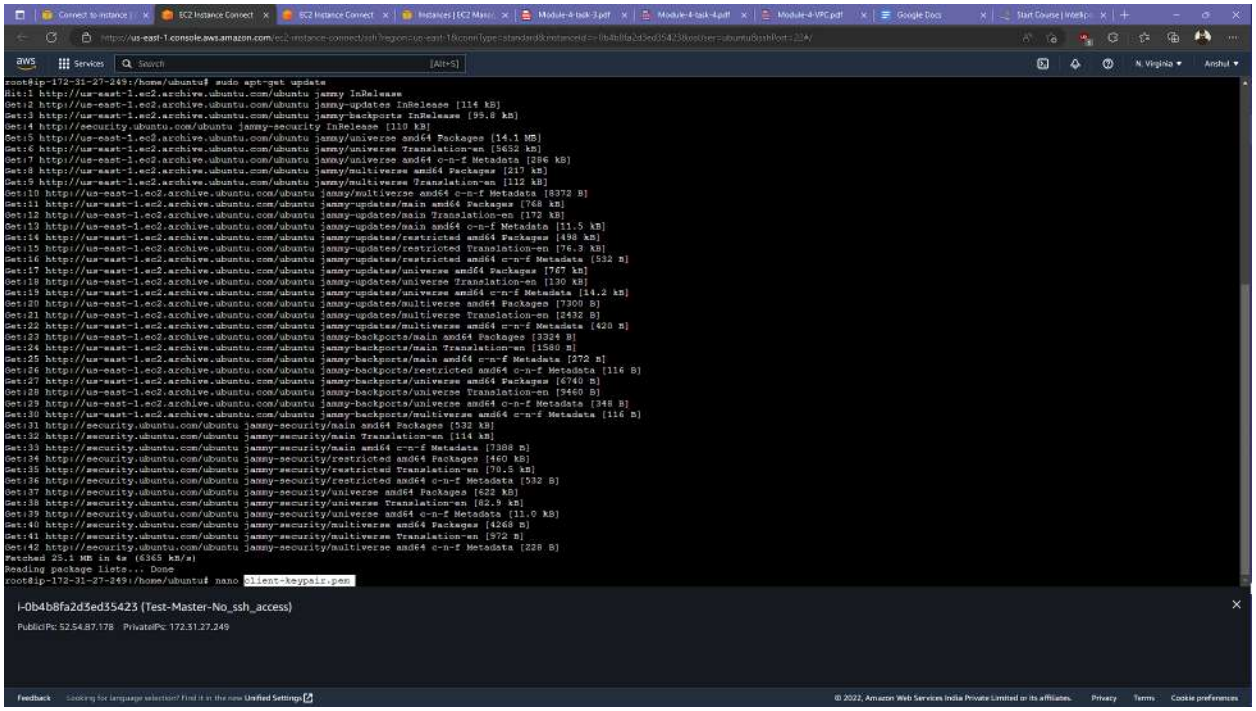
We are connected.

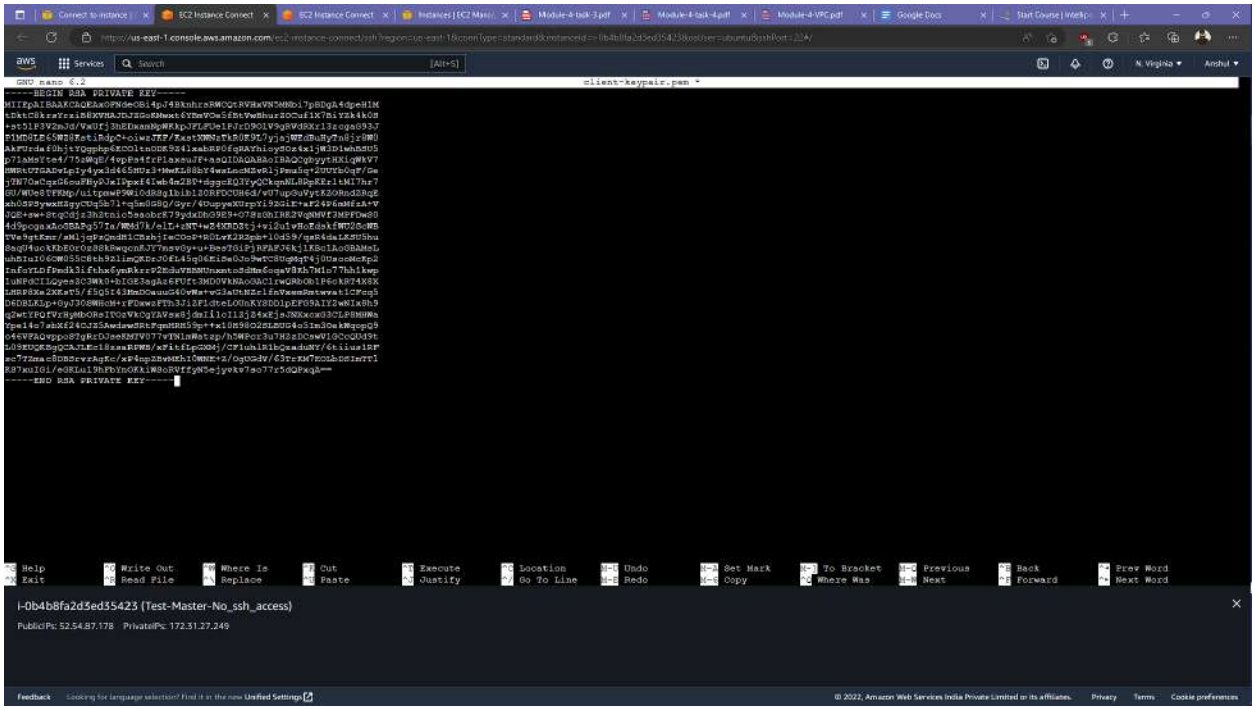


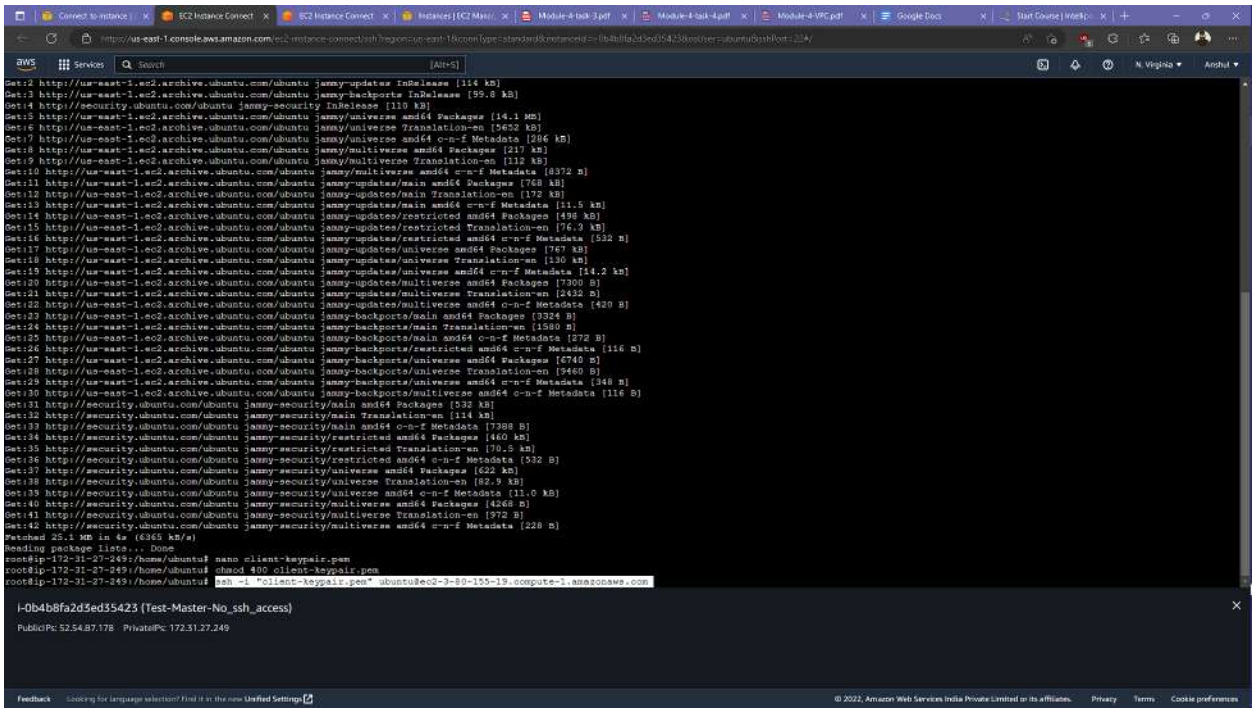
Let’s try it from another instance which doesn’t have access to it.Connect to that instance.



Follow the same procedure of keypair and connection.




GNU nano 6.2
client-keypair.pem *
-----BEGIN RSA PRIVATE KEY-----
-----END RSA PRIVATE KEY-----
^G Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut
^U Paste
^T Execute
^J Justify
^C Location
^/ Go To Line
M-U Undo
M-E Redo
M-A Set Mark
M-6 Copy
M-] To Bracket
^Q Where Was
M-Q Previous
M-W Next
^B Back
^F Forward
^Left Prev Word
^Right Next Word
i-0b4b8fa2d3ed35423 (Test-Master-No_ssh_access)
PublicIPs: 52.54.87.178 PrivateIPs: 172.31.27.249
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences


Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
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Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [172 kB]
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Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [532 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [767 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [130 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [14.2 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [7300 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [2432 B]
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Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [1580 B]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [272 B]
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Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [6740 B]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [9460 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [348 B]
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Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [532 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [114 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [7388 B]
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Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [622 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [82.9 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [11.0 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4268 B]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [972 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 25.1 MB in 4s (6365 kB/s)
Reading package lists... Done
root@ip-172-31-27-249:/home/ubuntu# nano client-keypair.pem
root@ip-172-31-27-249:/home/ubuntu# chmod 400 client-keypair.pem
root@ip-172-31-27-249:/home/ubuntu# ssh -i "client-keypair.pem" ubuntu@ec2-3-80-155-19.compute-1.amazonaws.com
i-0b4b8fa2d3ed35423 (Test-Master-No_ssh_access)
PublicIPs: 52.54.87.178 PrivateIPs: 172.31.27.249
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences

Turns out we can't connect to the Client from another instance apart from the Master instance.