AWS CloudSpace Academy

Class promotion: AWS Cloud & DevOps Engineer 2025

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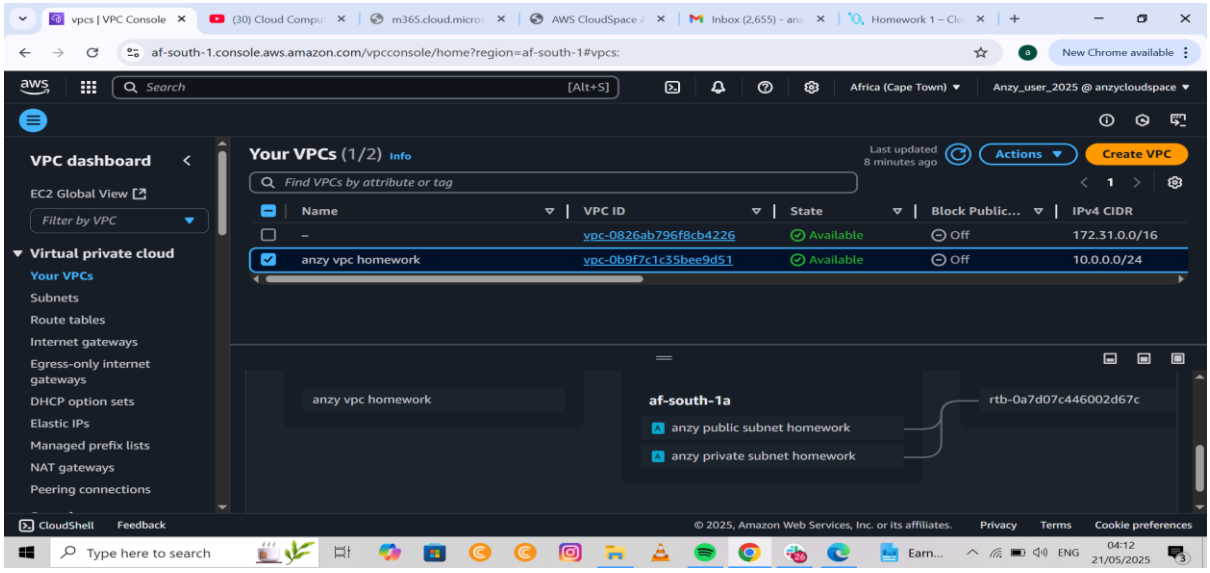
Course: VPC hands on

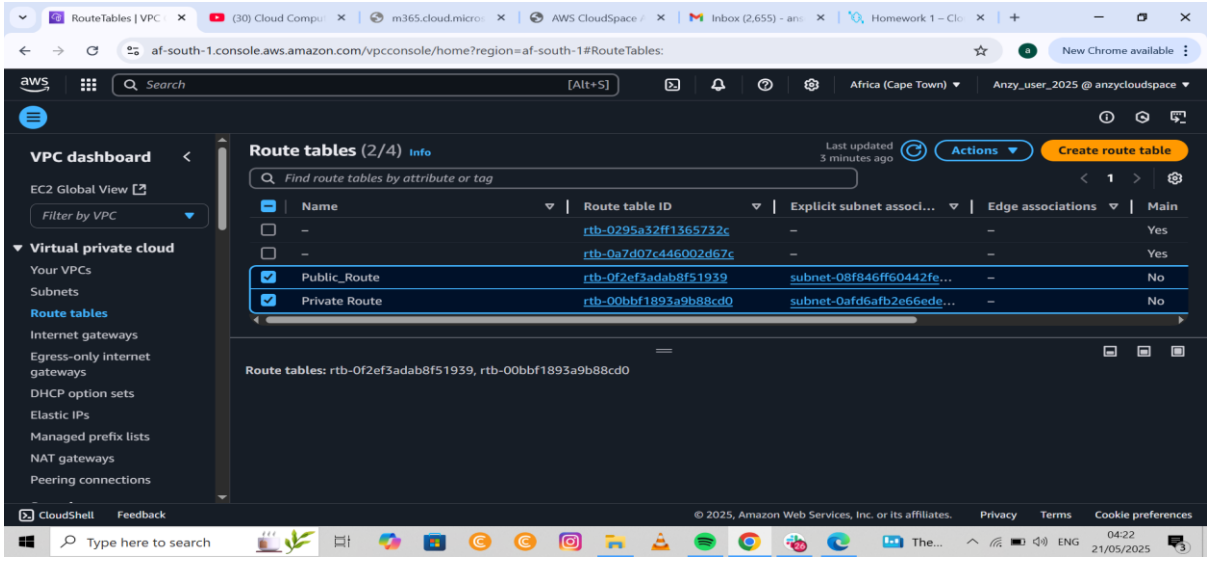
Teacher: Idriss Tankeu

Homework 1

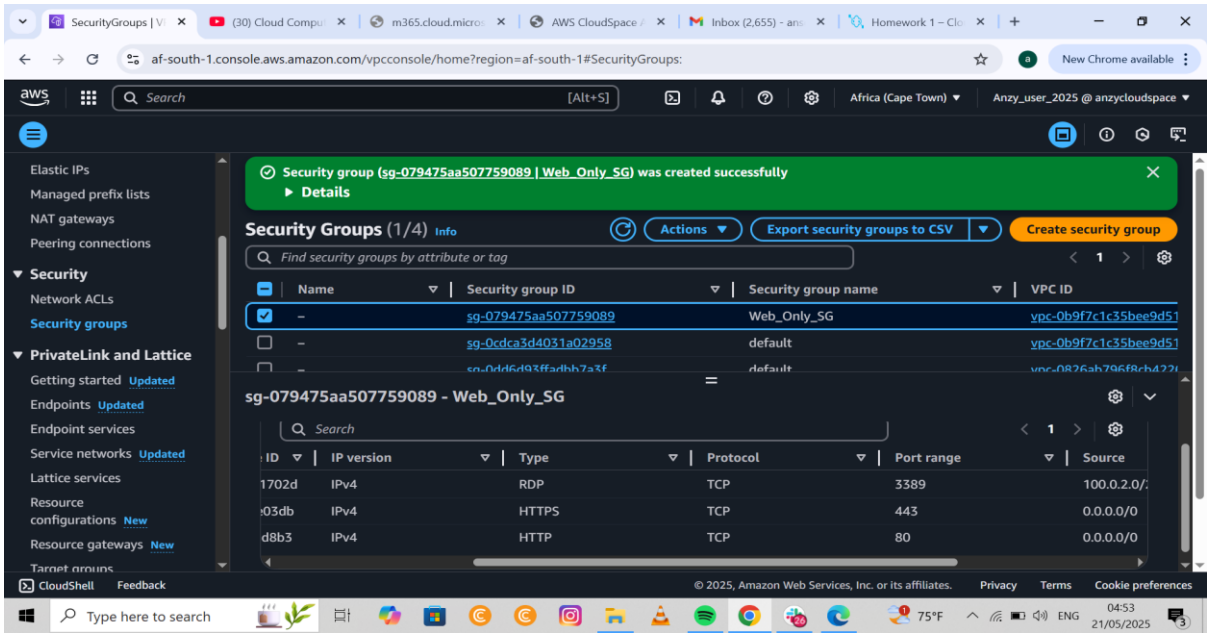
1) Build a VPC with a Private & Public Subnets.



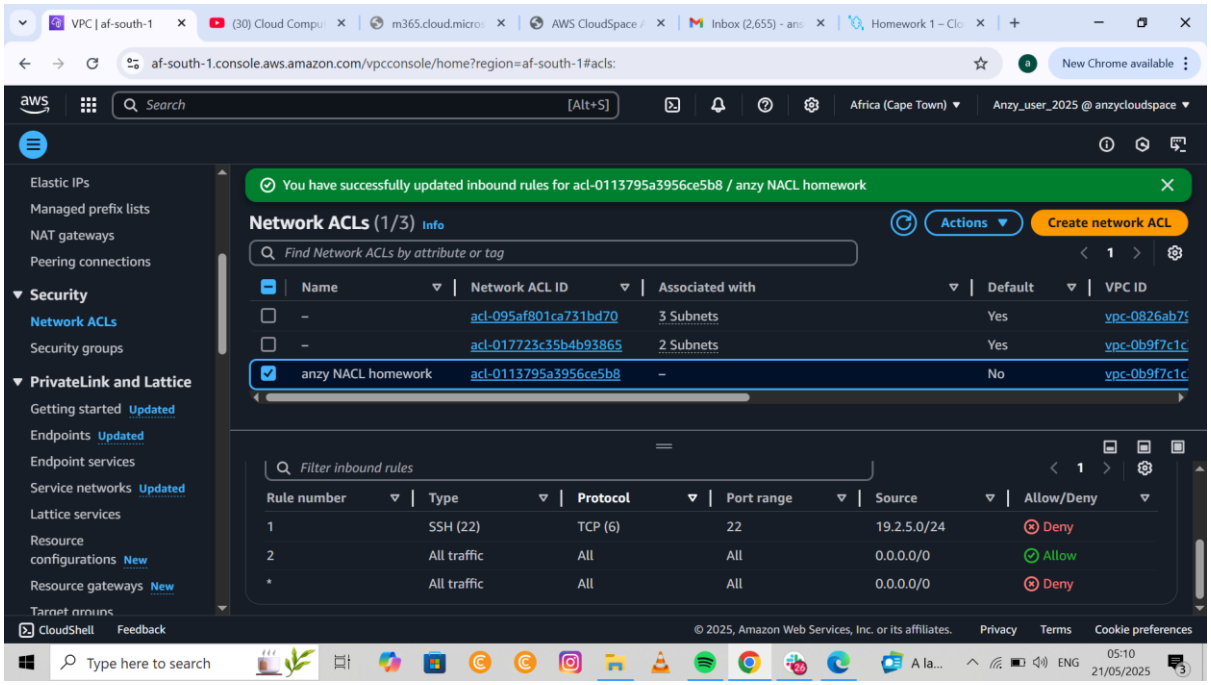
2) Create a custom route table for your private subnet called: Private_Route and Create a custom route table for your public subnet called: Public_Route



3) Create a security group called Web_Only_SG that only allows HTTP and HTTPS traffic from everybody. Your SG Web_Only_SG should also access to RDP traffic from 100.0.2.5/24 ONLY

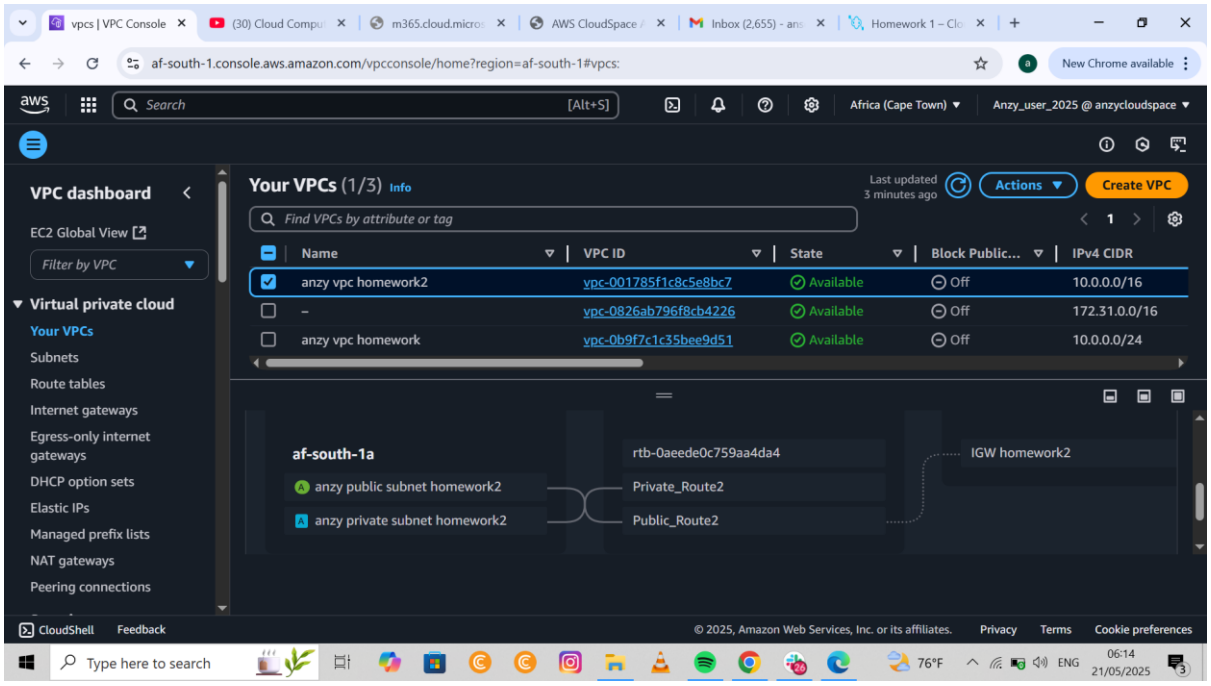


4) Create a NACL that allows ALL Traffic to everyone but prevent 19.2.5.2/24 from accessing SSH

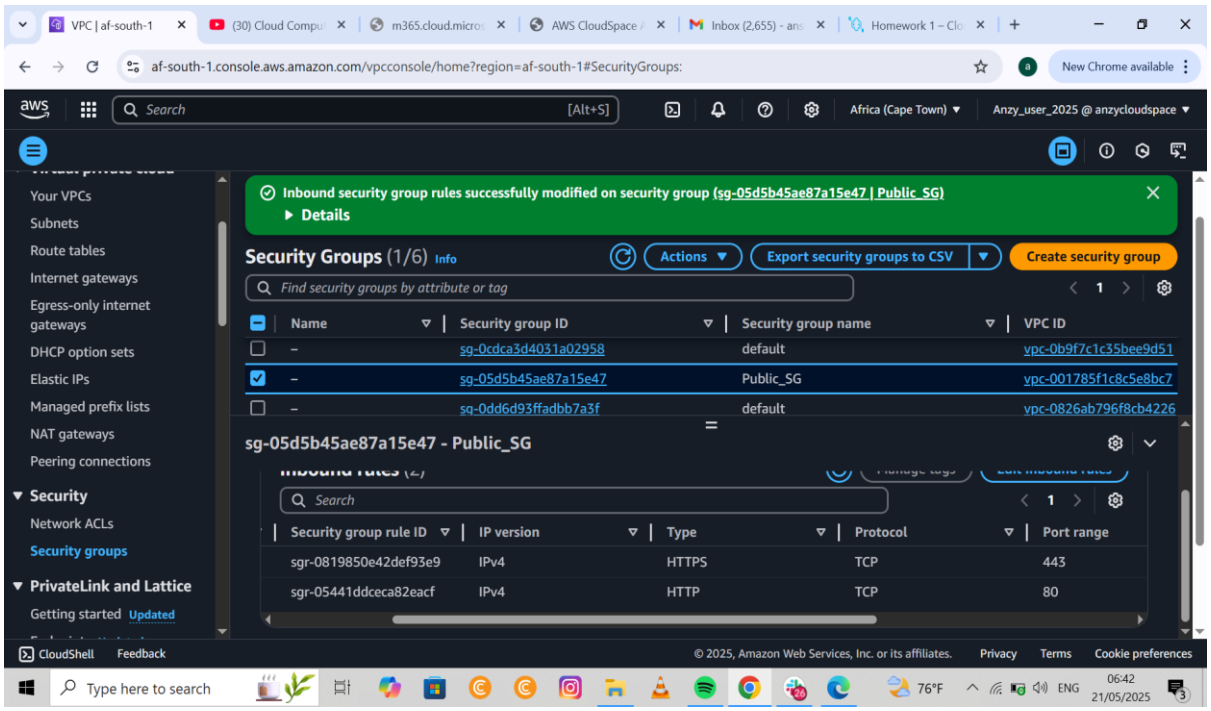


Home work 2

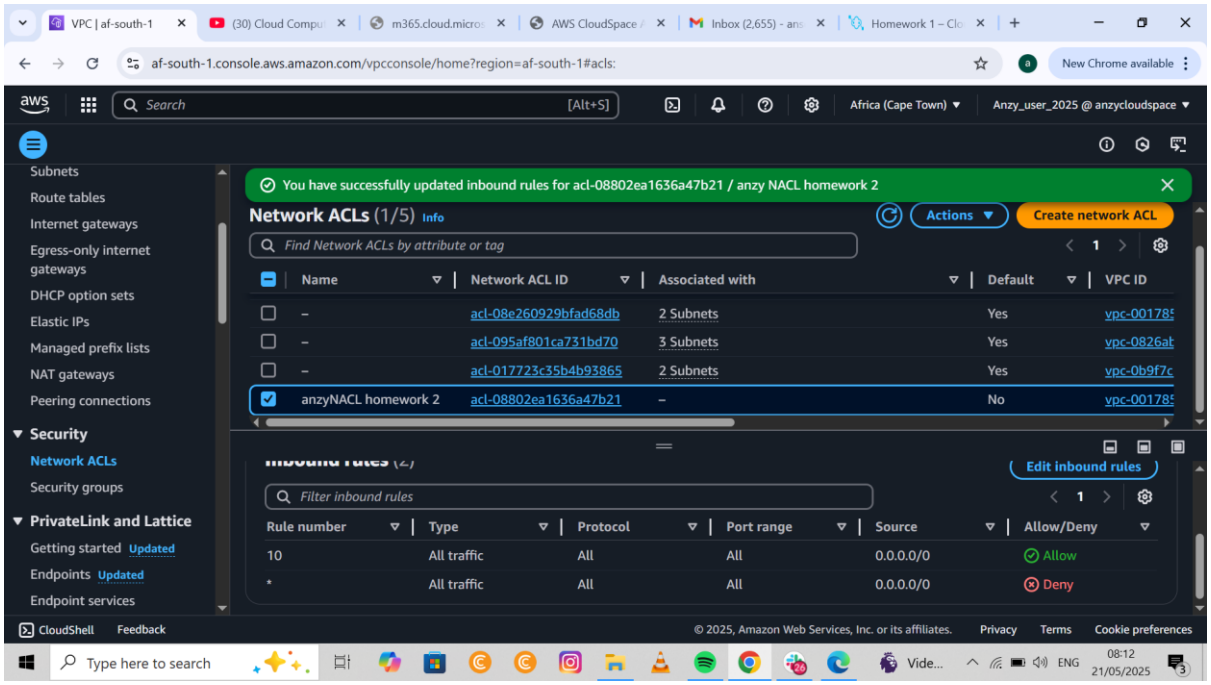
1) Build a VPC with a Private & Public Subnets/ Create a custom route table for your private subnet called: Private_Route and Create a custom route table for your public subnet called: Public_Route



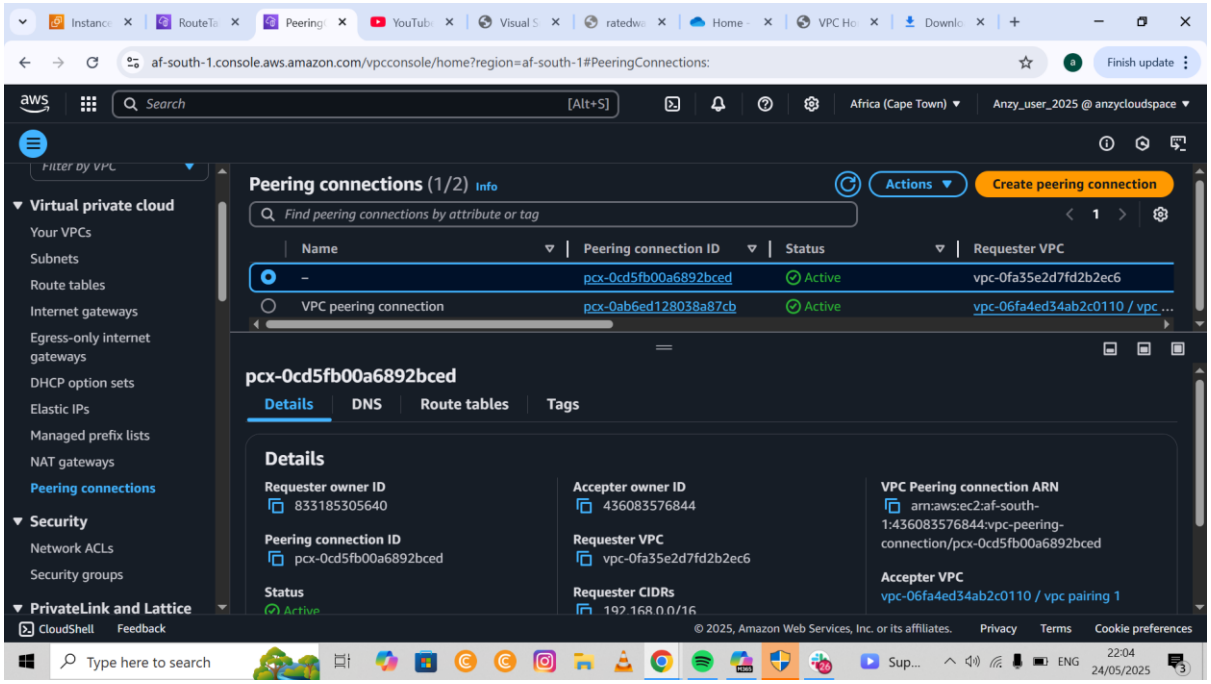
2) Create a security group called Public_SG that only allows HTTP and HTTPS traffic from everybody. Your SG Public_SG should also allow ALL traffic from the peered account (see Part 3 – where you will need the CIDR of the account you are peering with). [share the screenshot with your cluster]



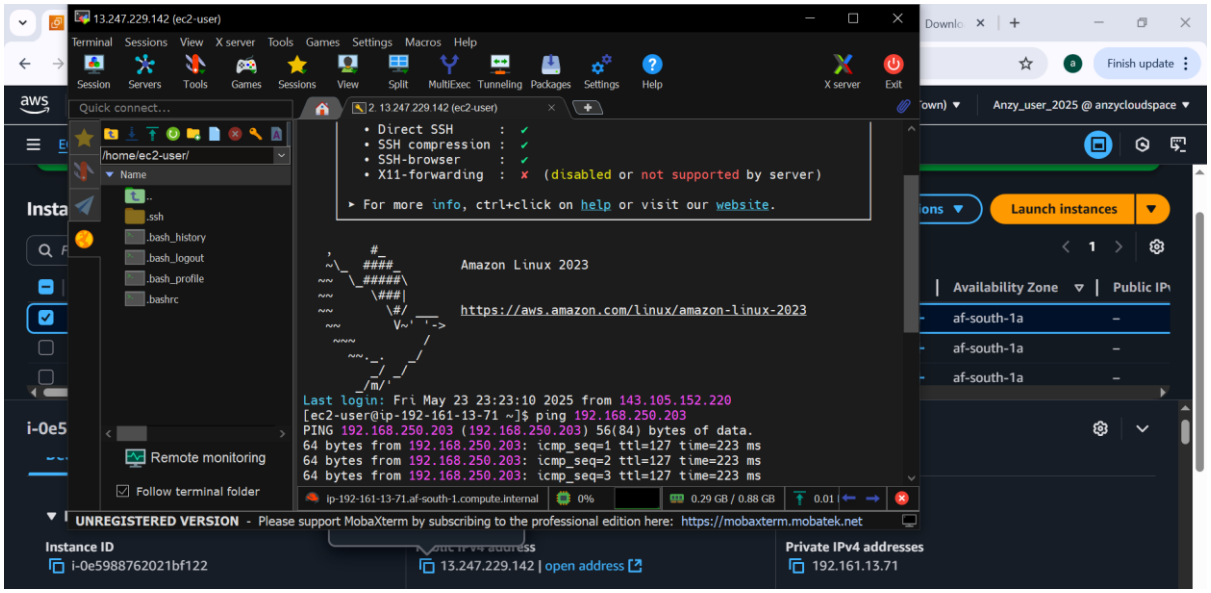
2a) Create a NACL that allows ALL Traffic from everyone



3) **VPC Peering and working within the same account:**



4)Launch an EC2 in your account and make sure you can PING the EC2 in the other account (peered account) using their private IP.


13.247.229.142 (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help X server Exit
Quick connect...
2. 13.247.229.142 (ec2-user)
/home/ec2-user/
Name
.ssh
.bash_history
.bash_logout
.bash_profile
.bashrc
Remote monitoring
Follow terminal folder
• Direct SSH : ✓
• SSH compression : ✓
• SSH-browser : ✓
• X11-forwarding : ✗ (disabled or not supported by server)
▸ For more info, ctrl+click on help or visit our website.
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
Last login: Fri May 23 23:23:10 2025 from 143.105.152.220
[ec2-user@ip-192-161-13-71 ~]$ ping 192.168.250.203
PING 192.168.250.203 (192.168.250.203) 56(84) bytes of data.
64 bytes from 192.168.250.203: icmp_seq=1 ttl=127 time=223 ms
64 bytes from 192.168.250.203: icmp_seq=2 ttl=127 time=223 ms
64 bytes from 192.168.250.203: icmp_seq=3 ttl=127 time=223 ms
ip-192-161-13-71.af-south-1.compute.internal
0%
0.29 GB / 0.88 GB
0.01
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
Launch instances
Availability Zone
Public IP
af-south-1a
af-south-1a
af-south-1a
Instance ID
i-0e5988762021bf122
13.247.229.142 | open address
Private IPv4 addresses
192.161.13.71