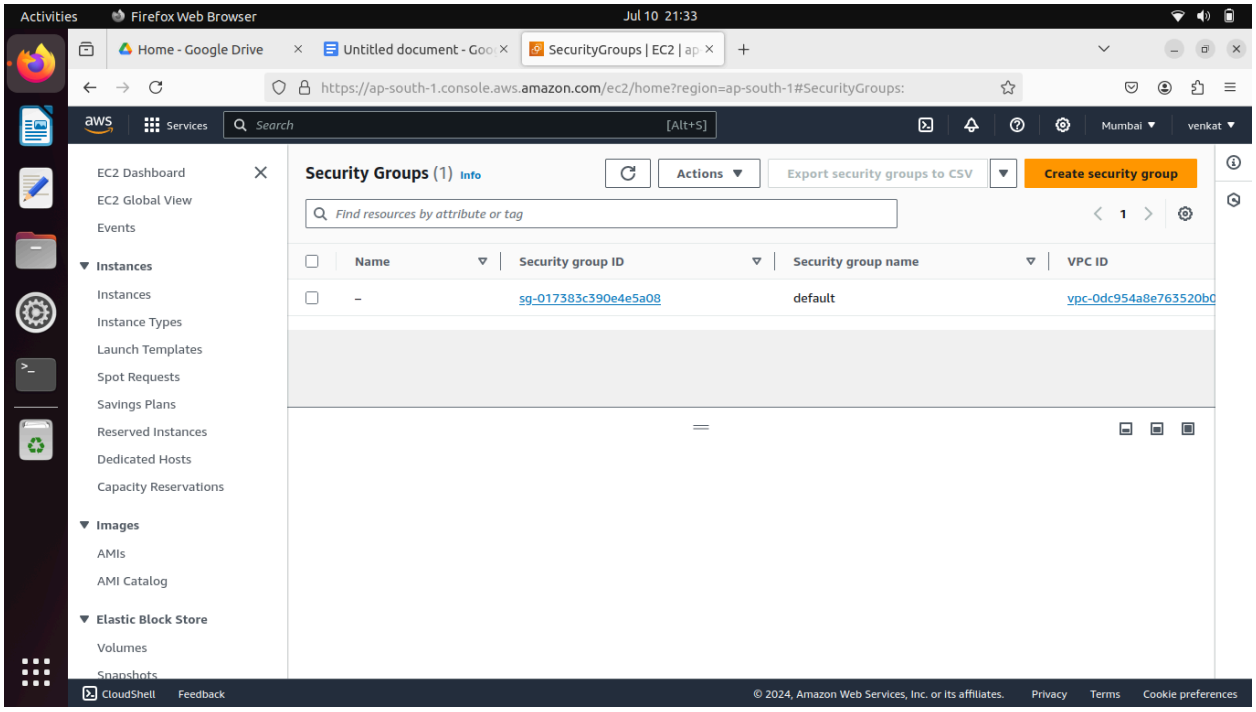
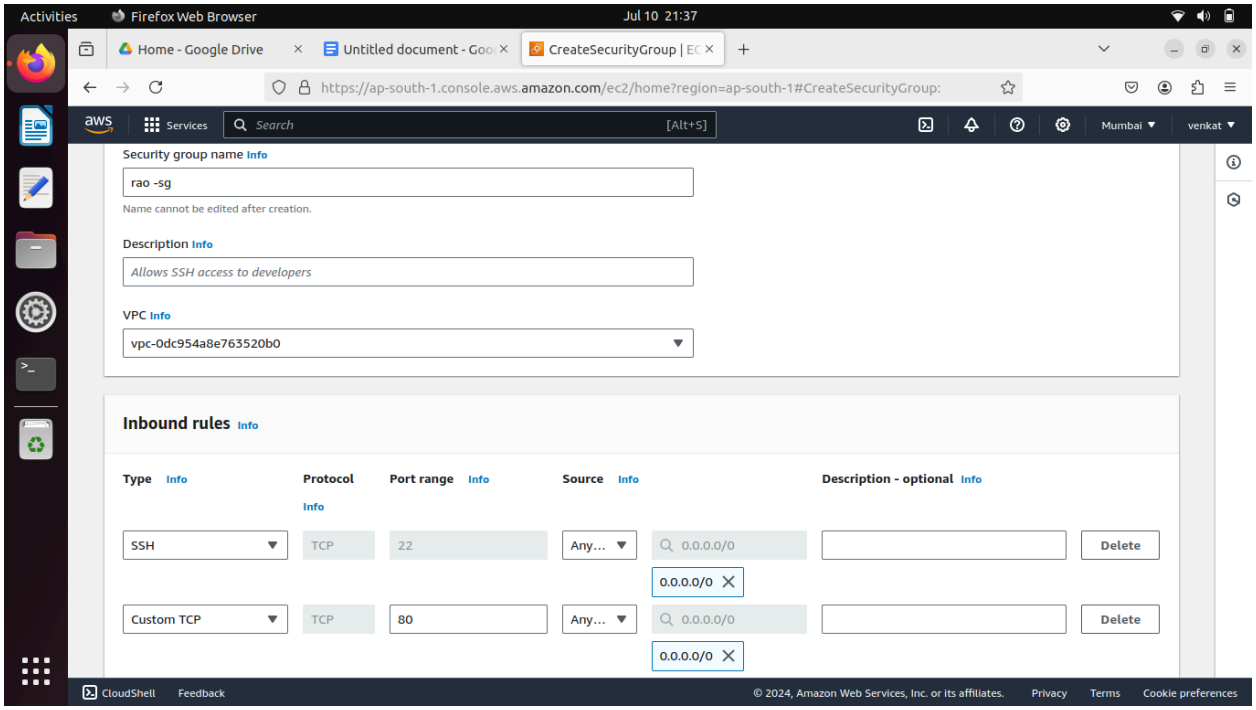
ELB

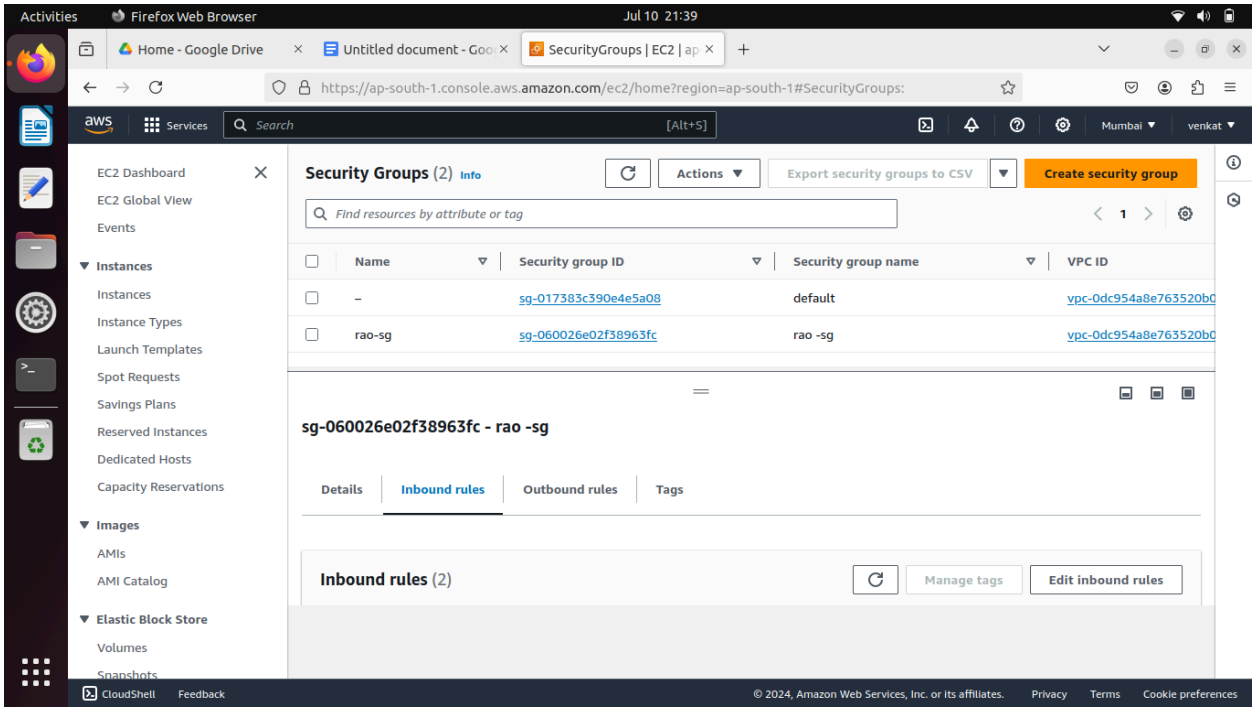
1) Create load balance first you need create security group with add rule http and ssh
2) Go to ec2 and click security group click create security group



3) Name = rao-sg
4) vpc= select ur wish
5) Inbound rules and add rule add ssh and http

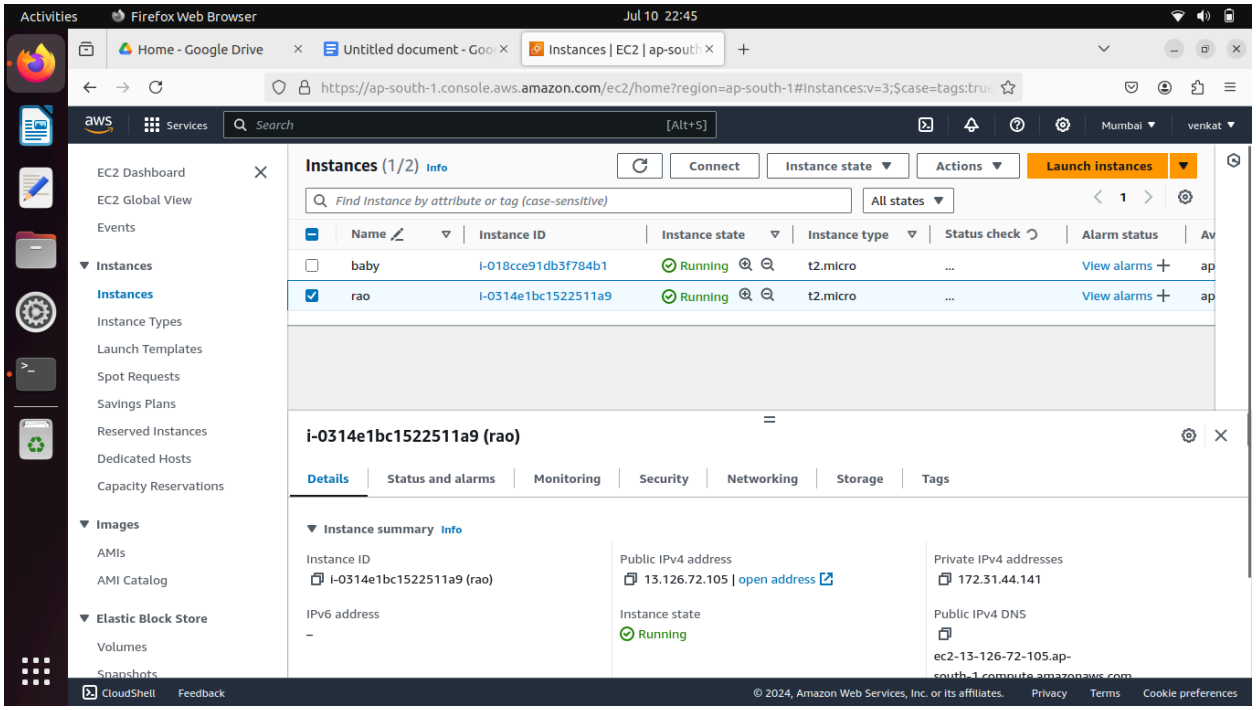


6) Click create sg



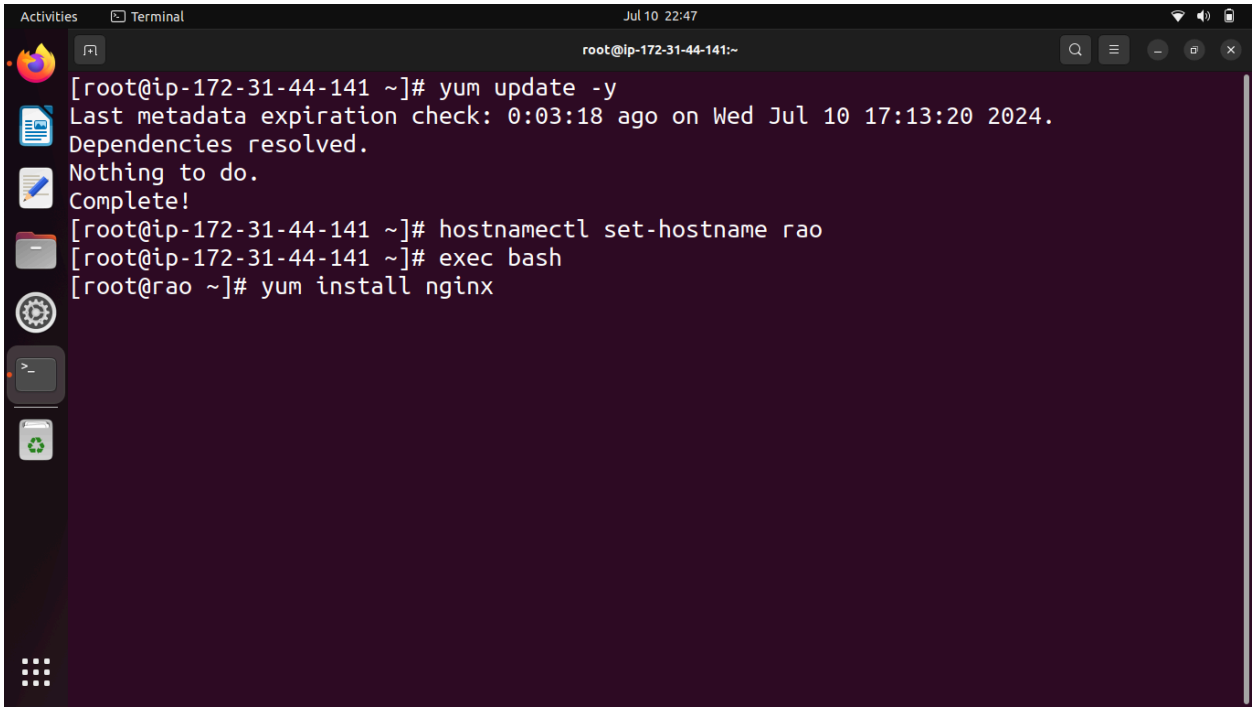
7) Now use this rao-sg create 2 instances
8) Ec2 go to instance launch instance name = rao and another one is baby

9)

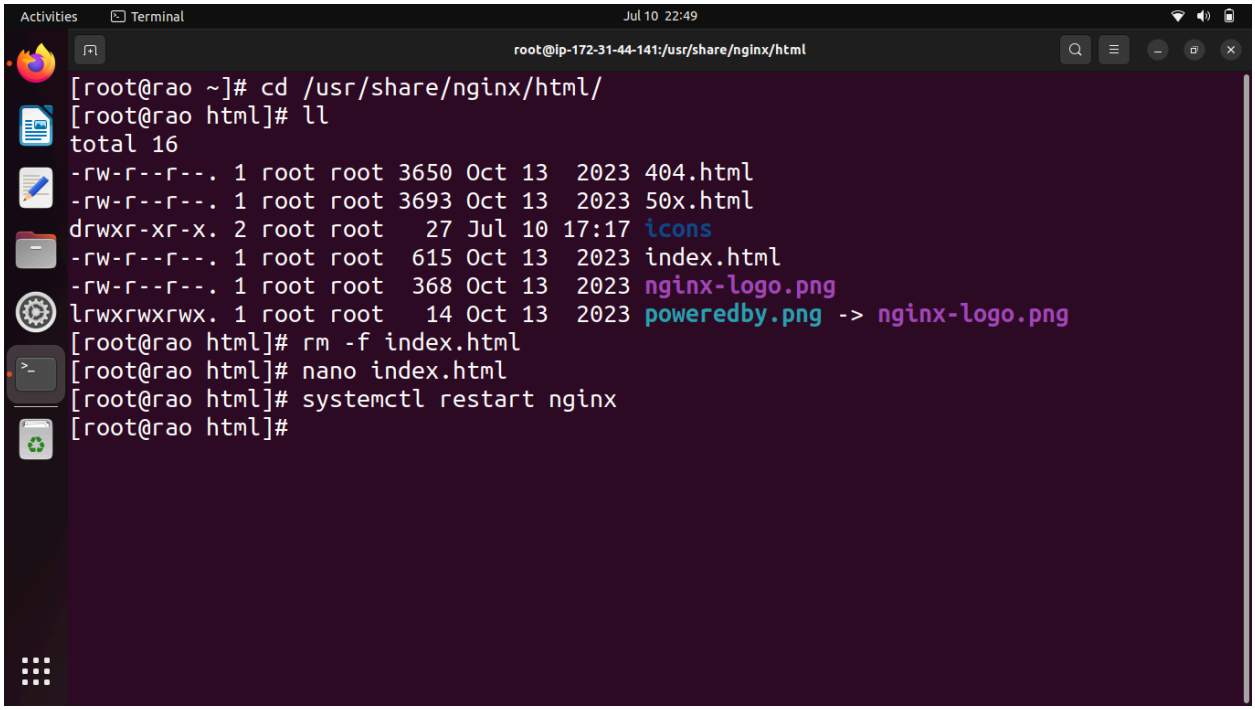


10) Now connect rao instance and set hostname=rao and install nginx or httpd

11)

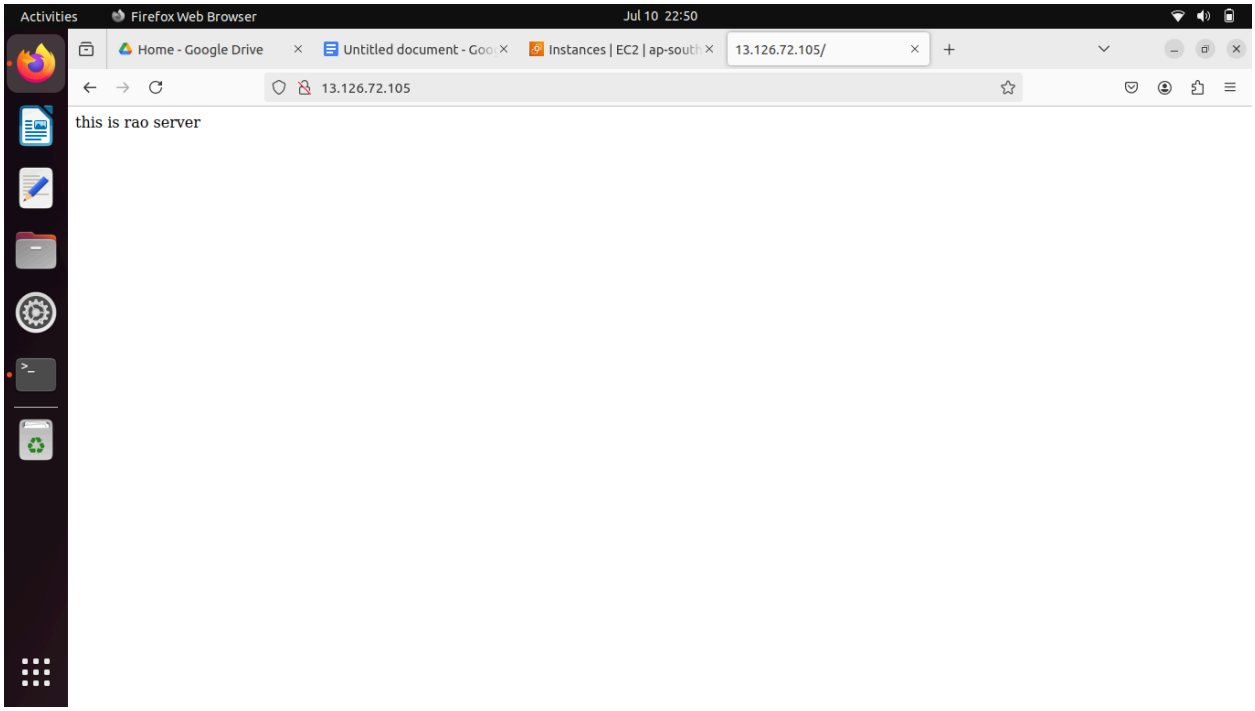


12)



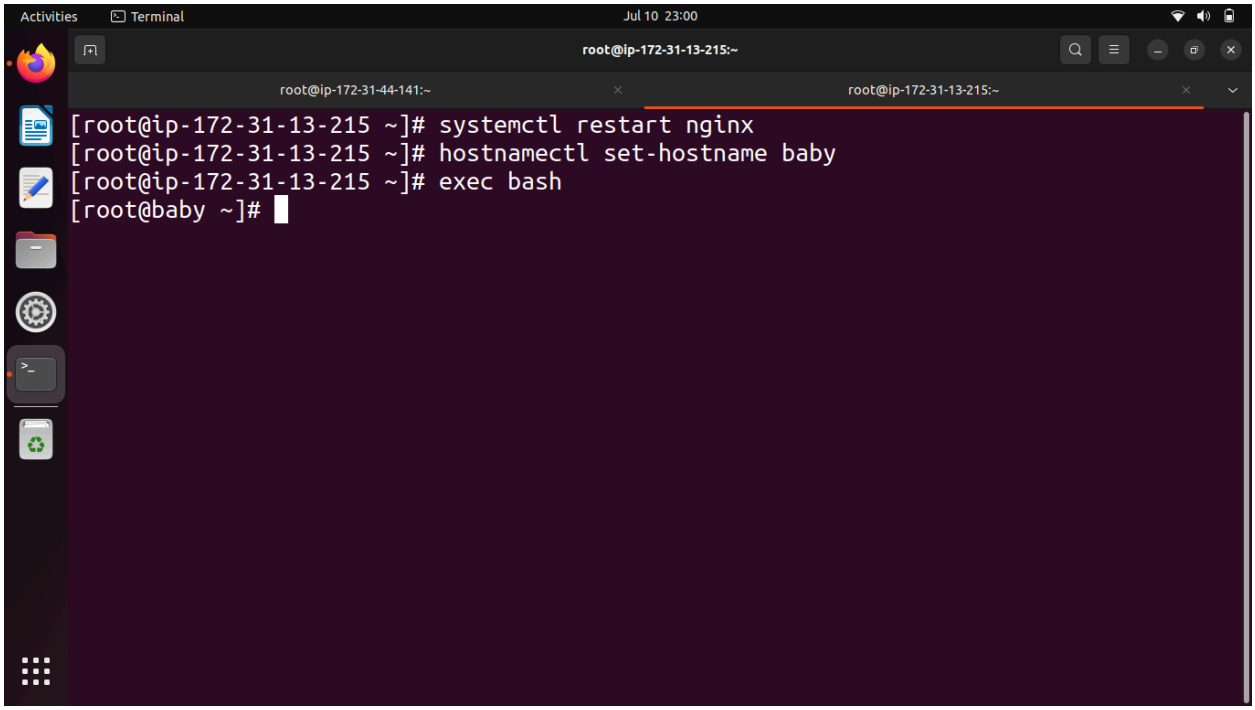
13) Take rao server public ip and paste google

14)

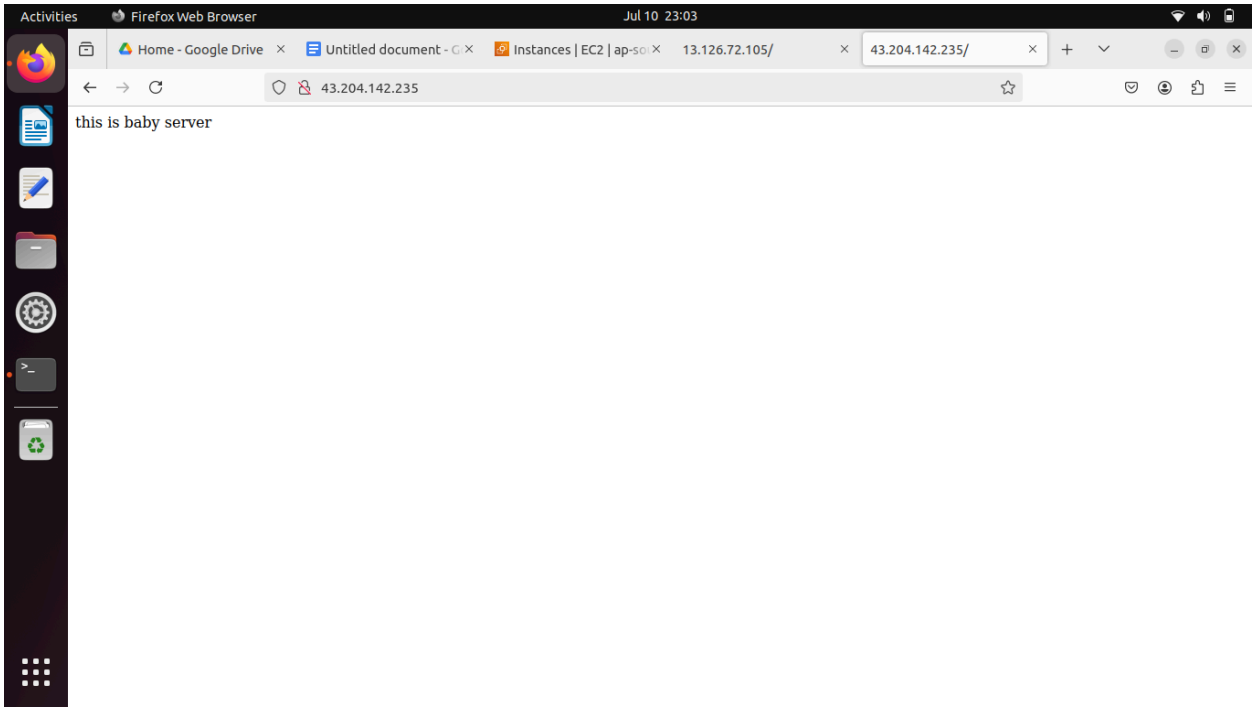


15) Now connect baby server and set hostname baby

16) Install nginx

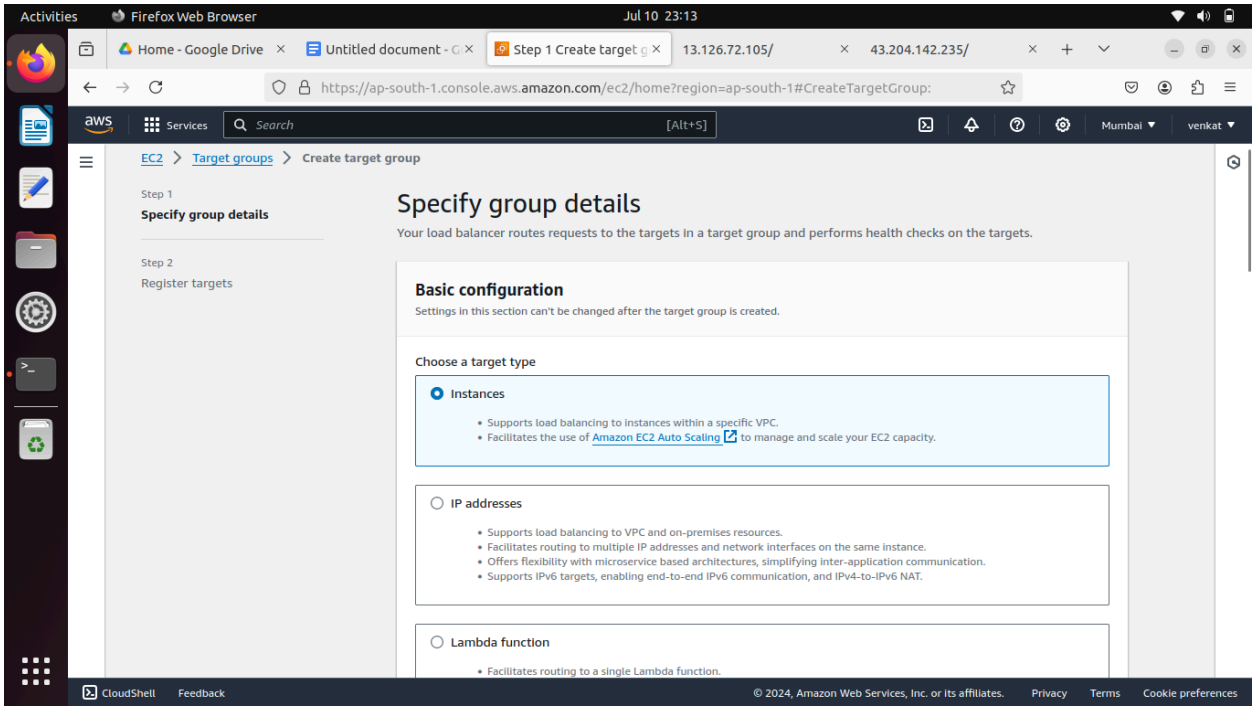
17) 

18) Now take baby server ip paste in google



19) Now go to ec2 select target group
20) Create target group
21) Select instances
22) Target group name= rao-baby-target-group
23) Click next

24)


Activities
Firefox Web Browser
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Home - Google Drive
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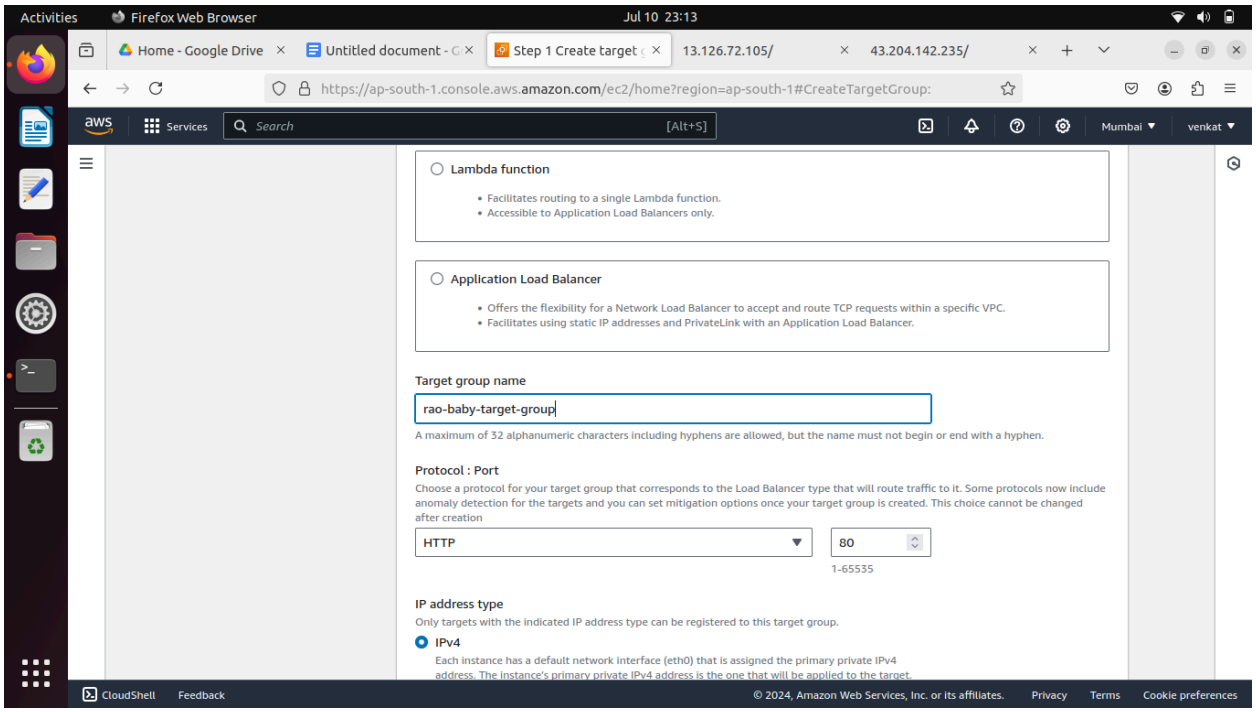
Step 1 Create target g
13.126.72.105/
43.204.142.235/
https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:
aws
Services
Search
[Alt+S]
Mumbai
venkat
EC2
Target groups
Create target group
Step 1
Specify group details
Step 2
Register targets
Specify group details
Your load balancer routes requests to the targets in a target group and performs health checks on the targets.
Basic configuration
Settings in this section can't be changed after the target group is created.
Choose a target type
Instances
• Supports load balancing to instances within a specific VPC.
• Facilitates the use of Amazon EC2 Auto Scaling to manage and scale your EC2 capacity.
IP addresses
• Supports load balancing to VPC and on-premises resources.
• Facilitates routing to multiple IP addresses and network interfaces on the same instance.
• Offers flexibility with microservice based architectures, simplifying inter-application communication.
• Supports IPv6 targets, enabling end-to-end IPv6 communication, and IPv4-to-IPv6 NAT.
Lambda function
• Facilitates routing to a single Lambda function.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

25)


Activities
Firefox Web Browser
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Home - Google Drive
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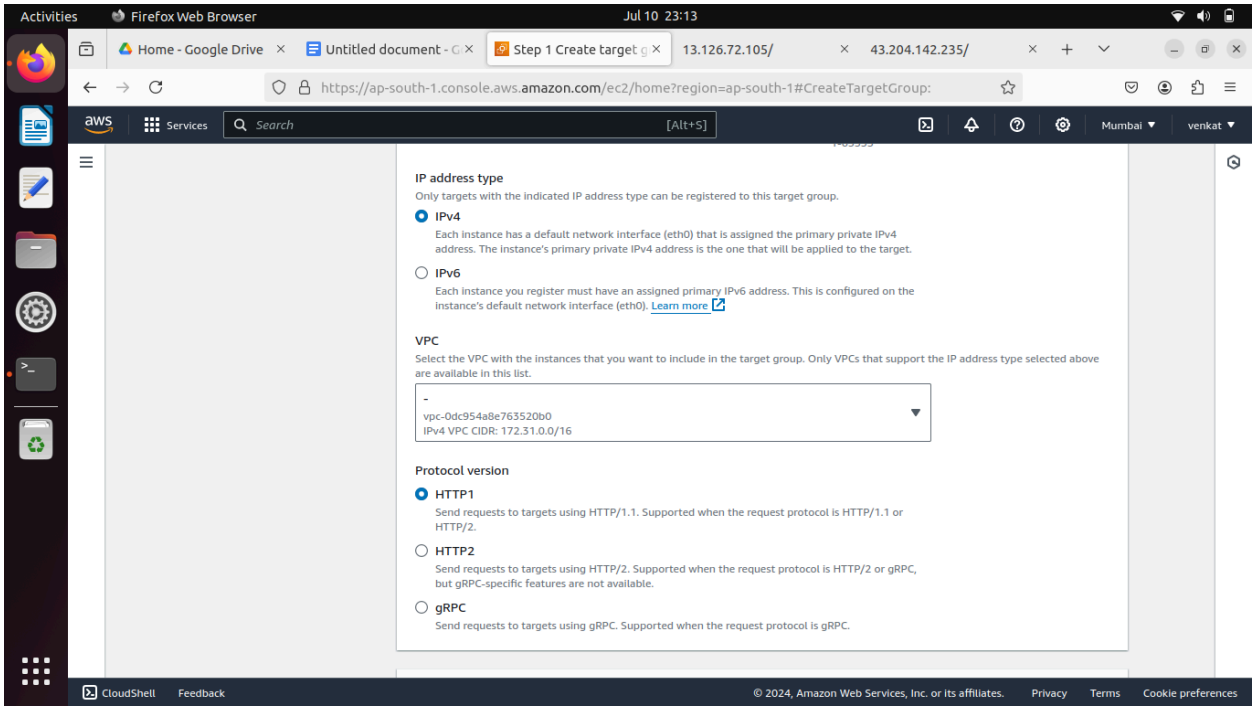
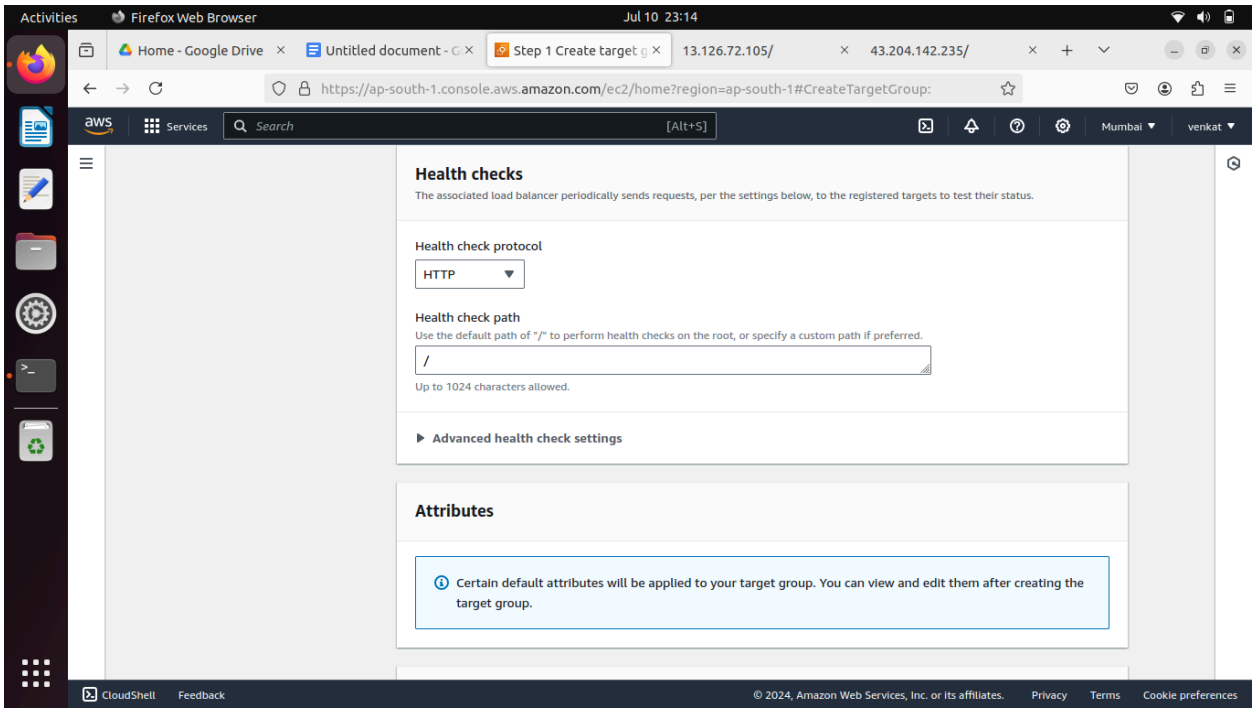
Step 1 Create target
13.126.72.105/
43.204.142.235/
https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTargetGroup:
aws
Services
Search
[Alt+S]
Mumbai
venkat
Lambda function
• Facilitates routing to a single Lambda function.
• Accessible to Application Load Balancers only.
Application Load Balancer
• Offers the flexibility for a Network Load Balancer to accept and route TCP requests within a specific VPC.
• Facilitates using static IP addresses and PrivateLink with an Application Load Balancer.
Target group name
rao-baby-target-group
A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.
Protocol : Port
Choose a protocol for your target group that corresponds to the Load Balancer type that will route traffic to it. Some protocols now include anomaly detection for the targets and you can set mitigation options once your target group is created. This choice cannot be changed after creation
HTTP
80
1-65535
IP address type
Only targets with the indicated IP address type can be registered to this target group.
IPv4
Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

26)

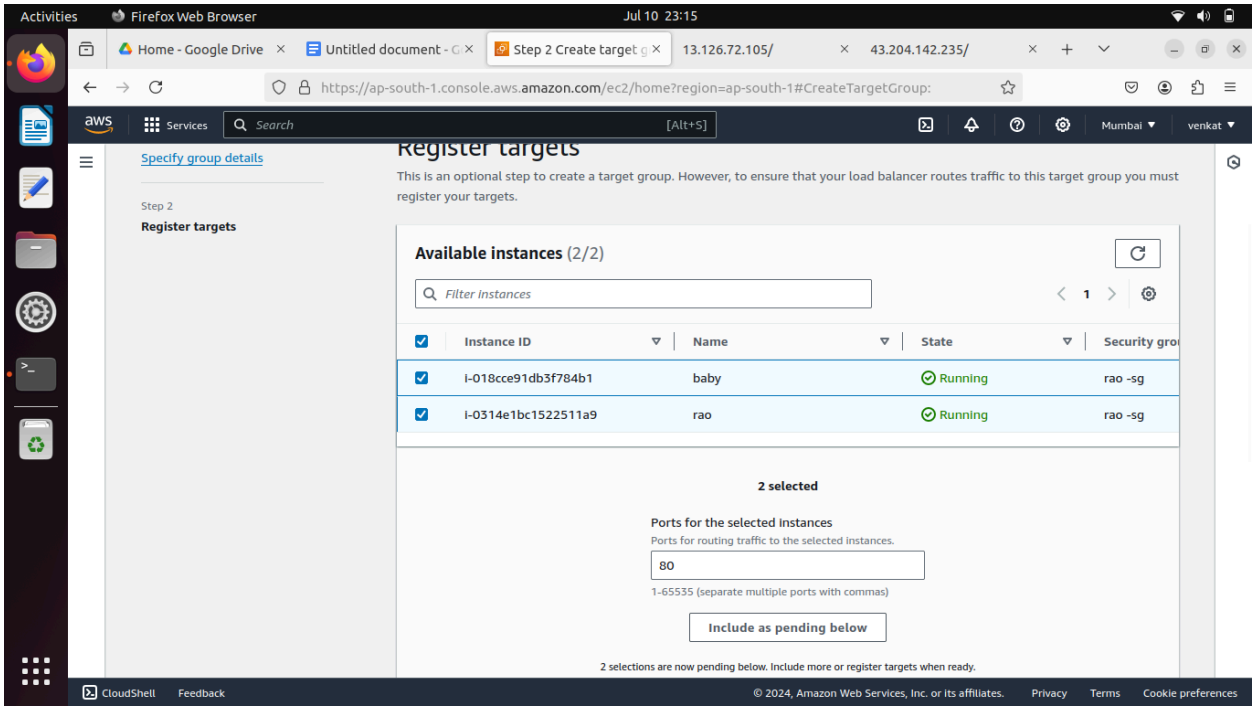


27)

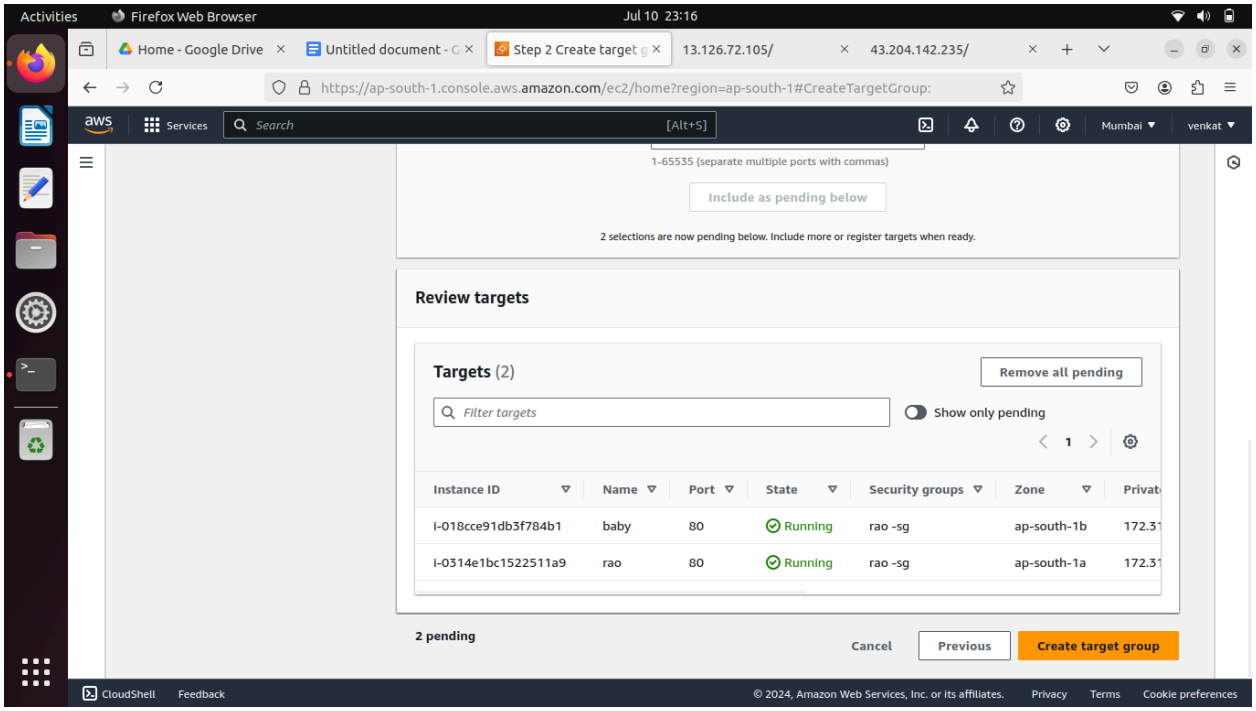


28) Register target= click include as pending

29)

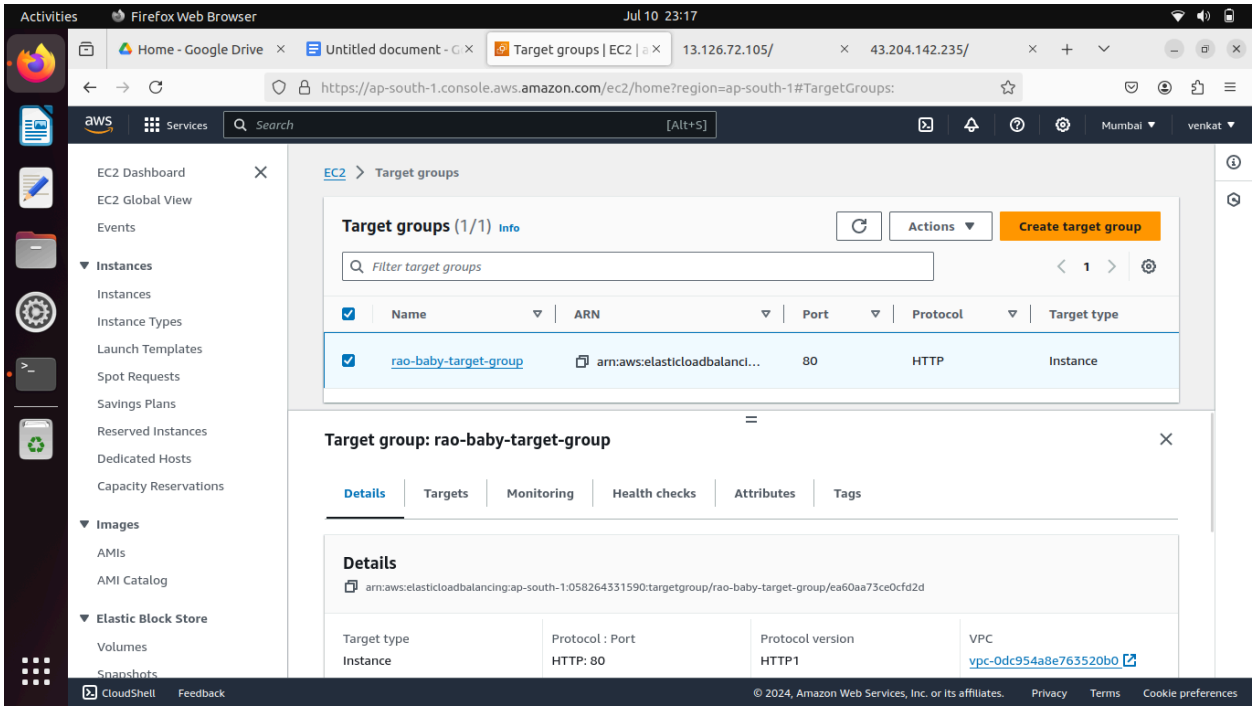


30) Click create as target group

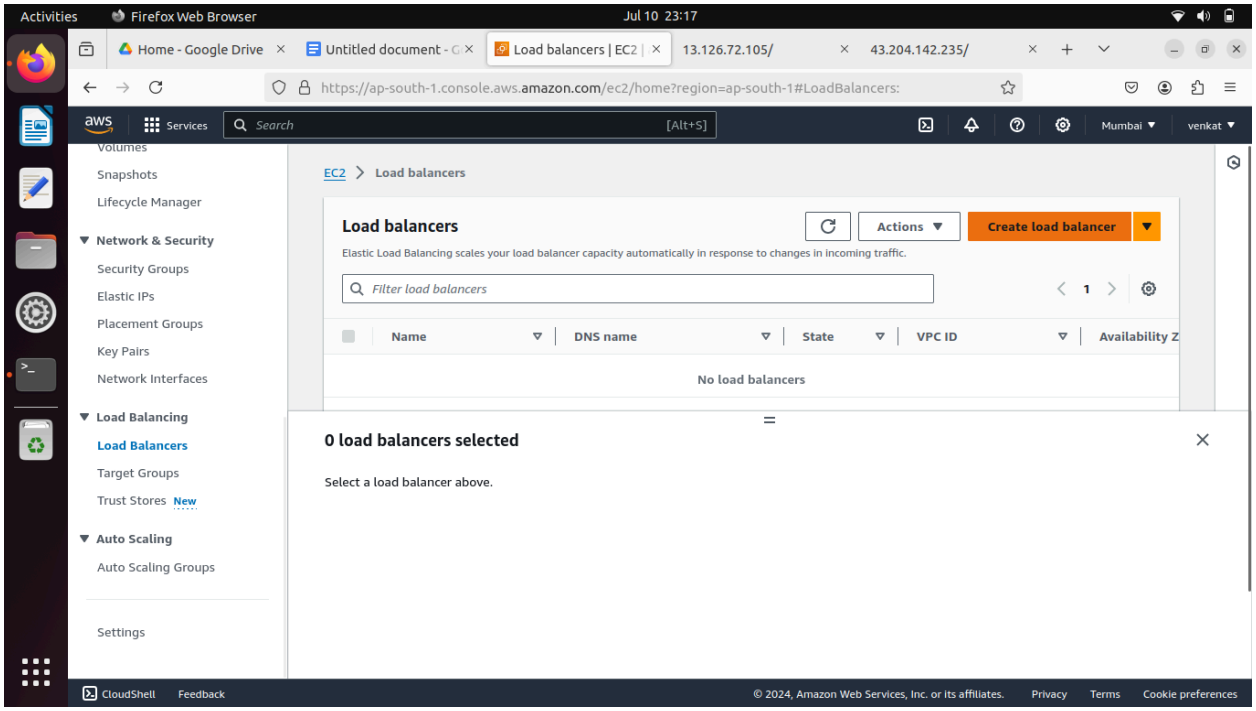


31)

32)



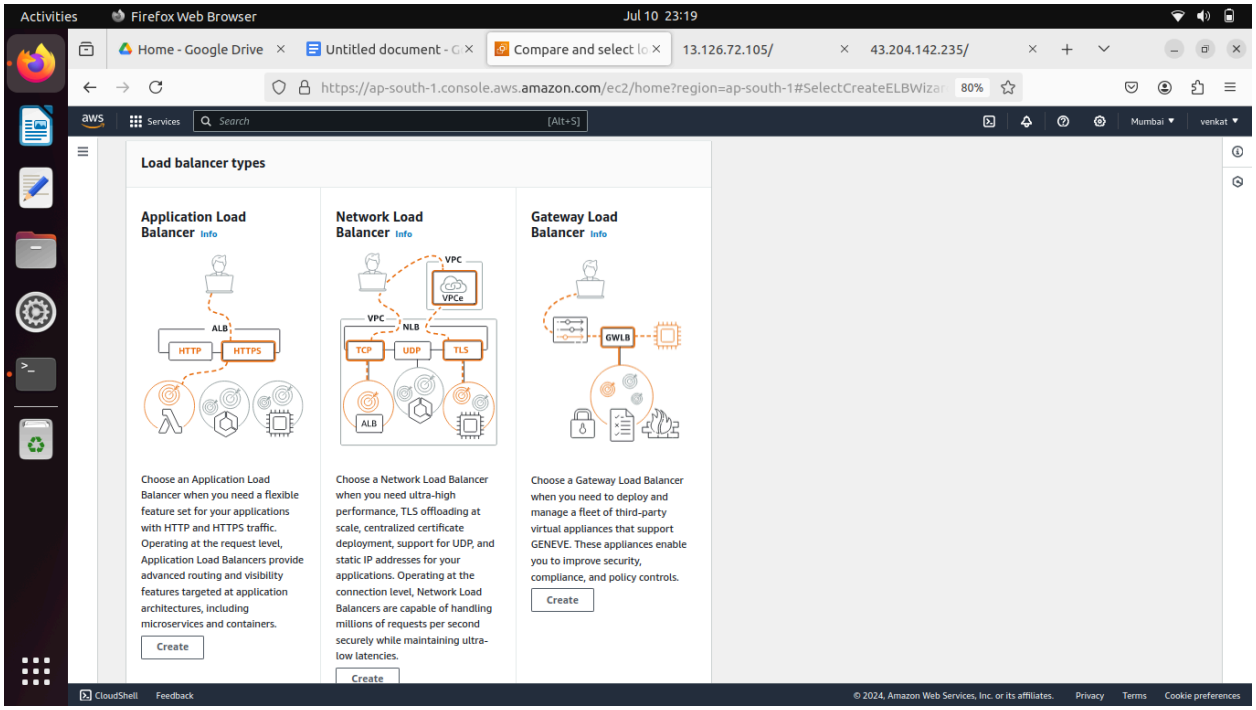
33) Now go to load balancer click create loadbalancer



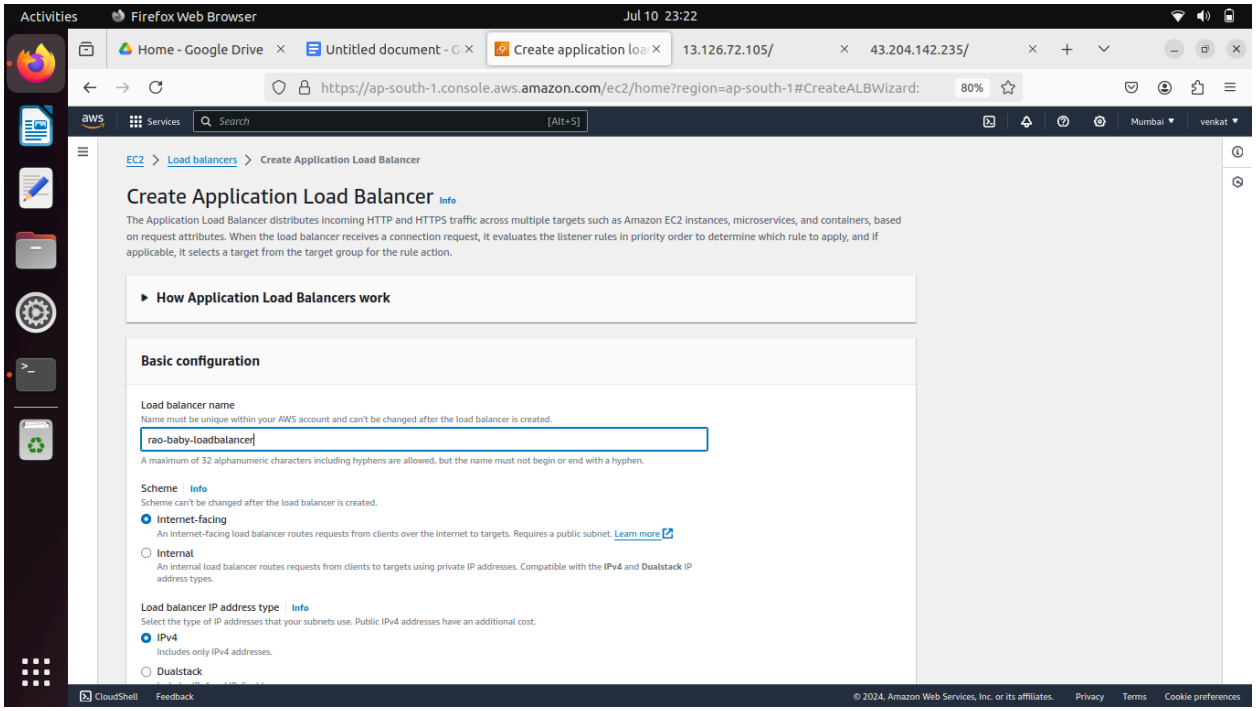
34)

35) Select application load balancer click create

36)



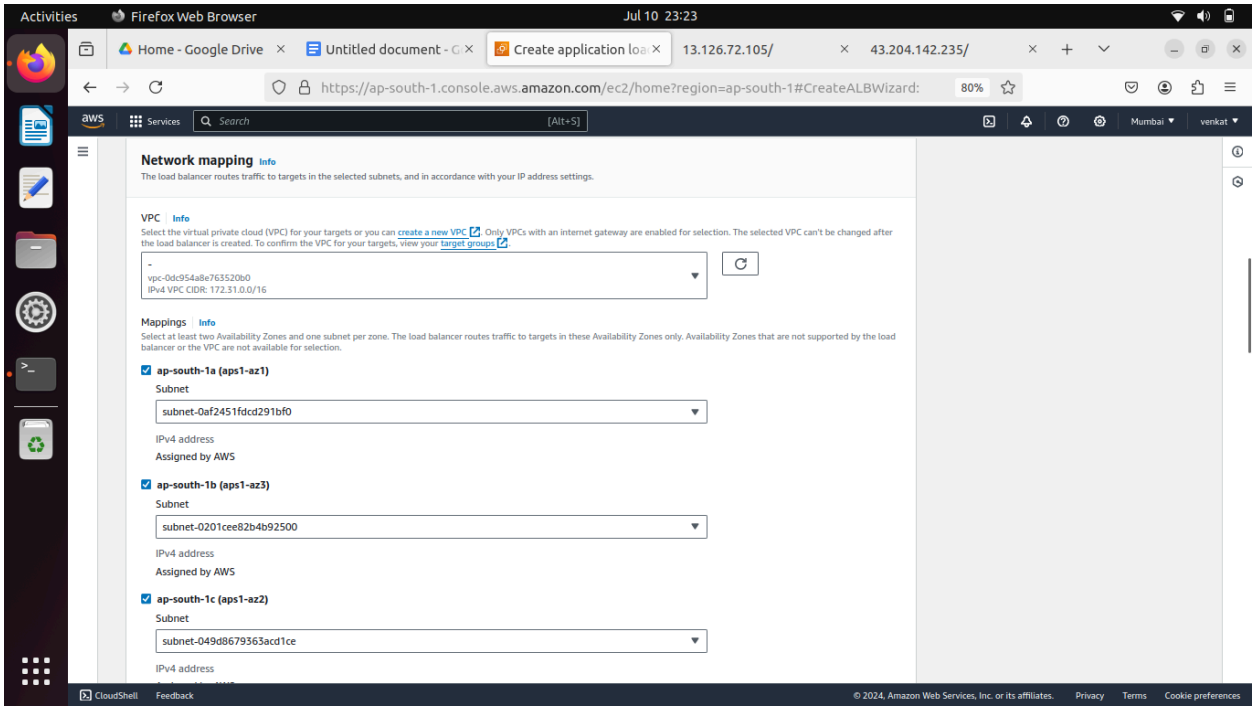
37) Loadbalancer name= rao-baby-loadbalancer



38)

39) Network mapping select ap-south 1a and 1b and 1c select how many you have all

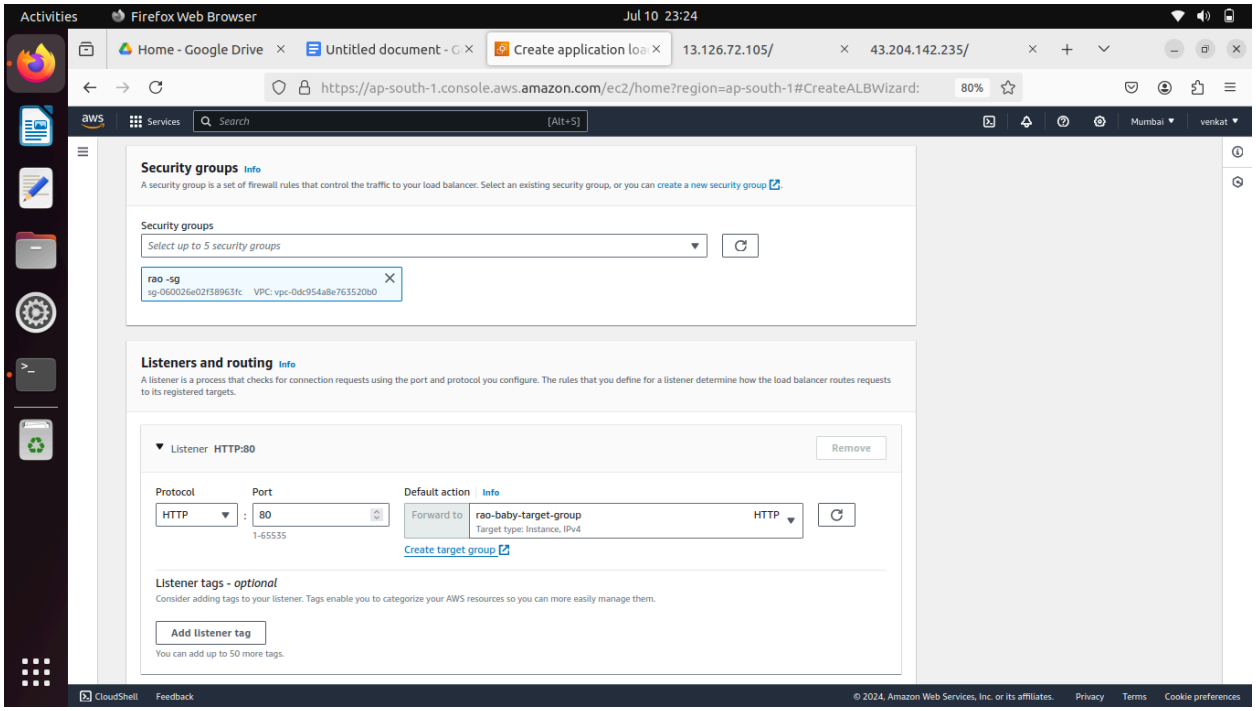
40)



41) sg= rao-sg

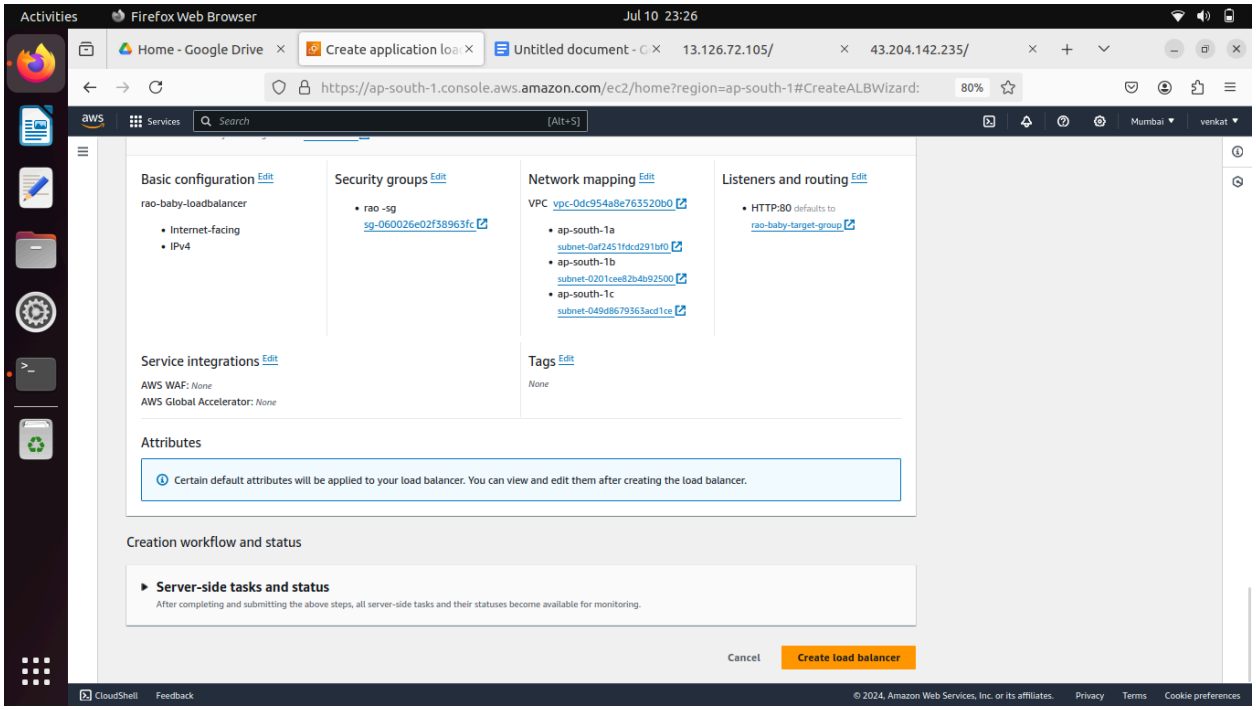
42) Select listener http and port 80 and select load balancer =rao-baby-loadbalancer

43)

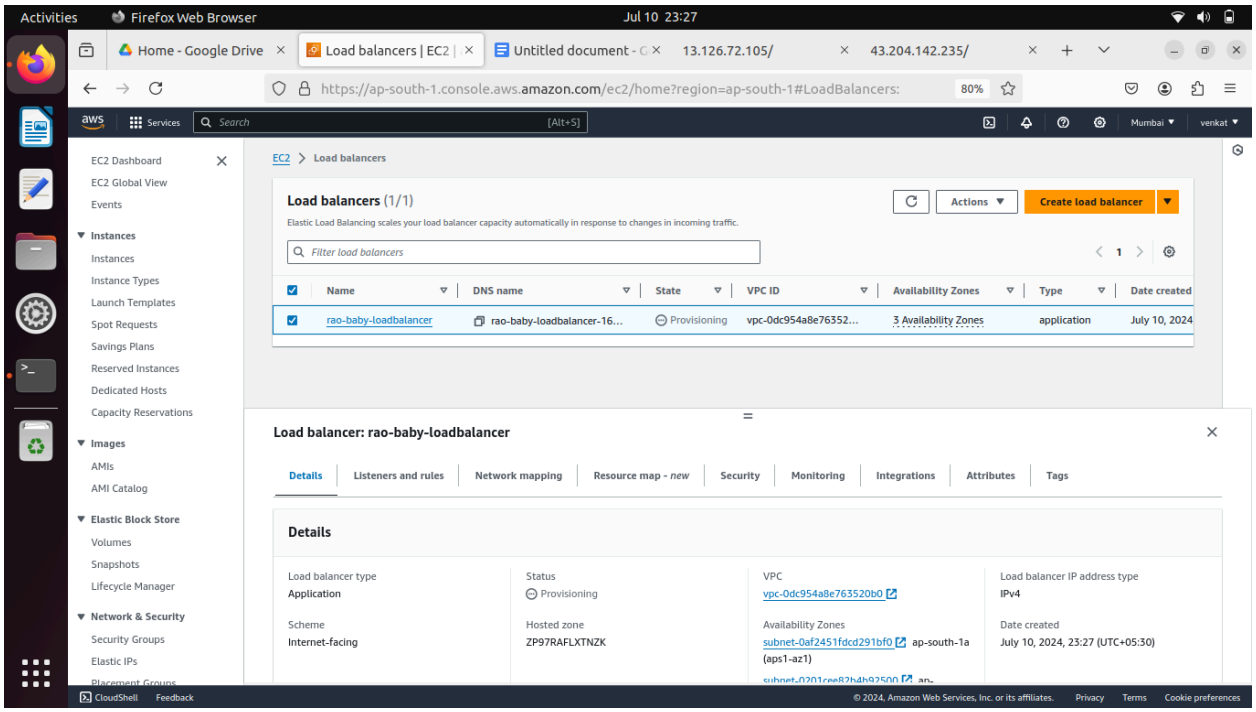


44) Click create load balancer

45)

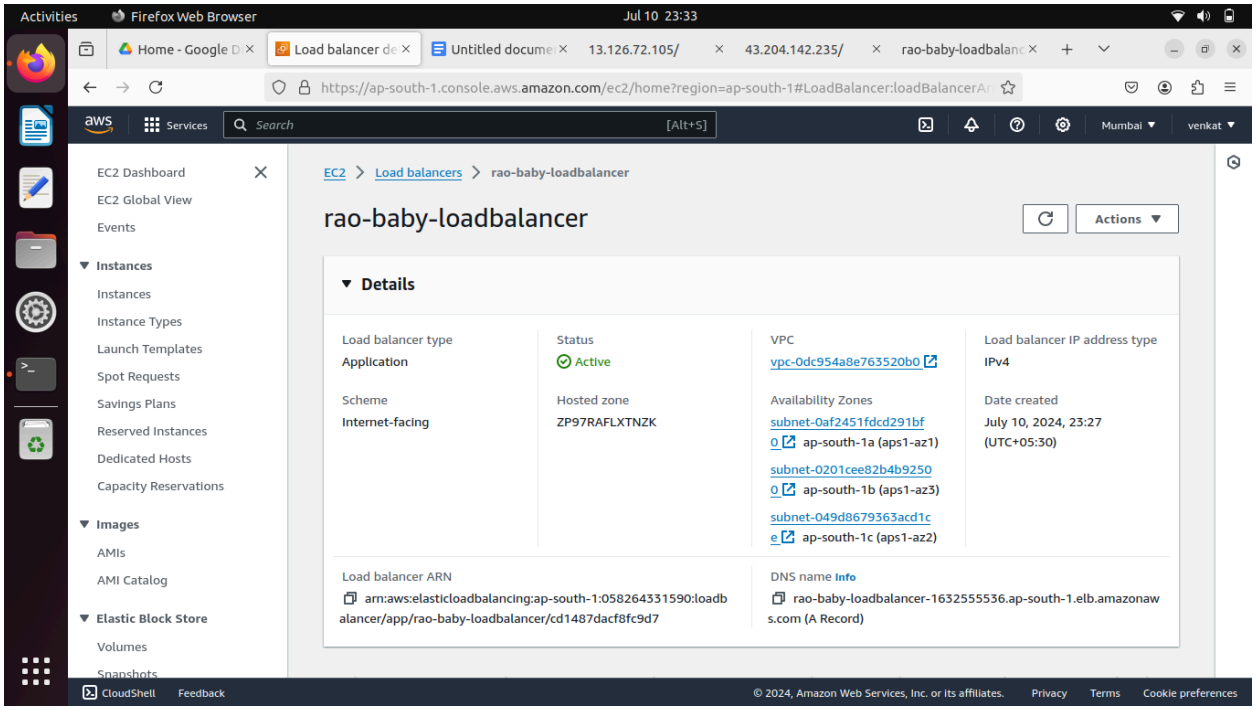


46)



47) Click on rao-baby-loadbalancer select dns link paste in google and refresh it change evry refresh time rao to baby

48)


Activities
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venkat
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
EC2 > Load balancers > rao-baby-loadbalancer
rao-baby-loadbalancer
Actions
Details
Load balancer type
Application
Status
Active
VPC
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Load balancer IP address type
IPv4
Scheme
Internet-facing
Hosted zone
ZP97RAFLXTNZK
Availability Zones
subnet-0af2451fdcd291bf0 ap-south-1a (aps1-az1)
subnet-0201cee82b4b92500 ap-south-1b (aps1-az3)
subnet-049d8679363acd1ce ap-south-1c (aps1-az2)
Date created
July 10, 2024, 23:27 (UTC+05:30)
Load balancer ARN
arn:aws:elasticloadbalancing:ap-south-1:058264331590:loadbalancer/app/rao-baby-loadbalancer/cd1487dacf8fc9d7
DNS name Info
rao-baby-loadbalancer-1632555536.ap-south-1.elb.amazonaws.com (A Record)
CloudShell
Feedback
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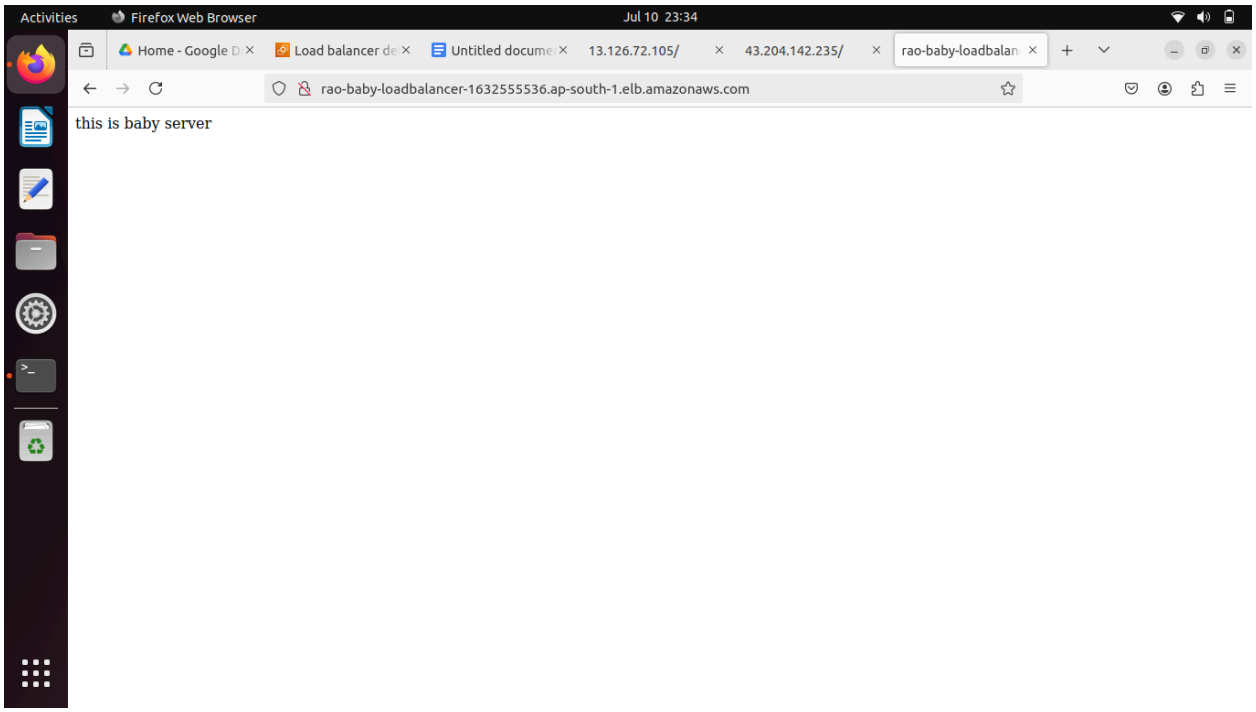
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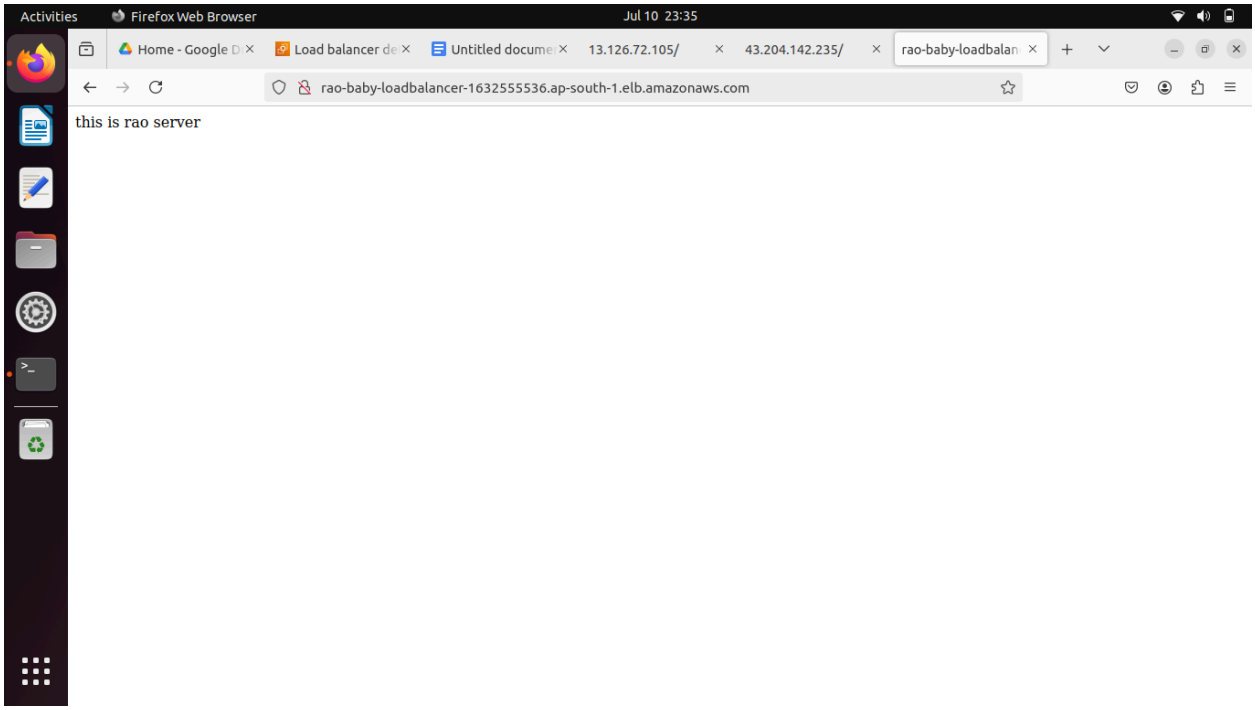
rao-baby-loadbalan
rao-baby-loadbalancer-1632555536.ap-south-1.elb.amazonaws.com
this is baby server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Firefox Web Browser
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13.126.72.105/
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rao-baby-loadbalan
rao-baby-loadbalancer-1632555536.ap-south-1.elb.amazonaws.com
this is rao server

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