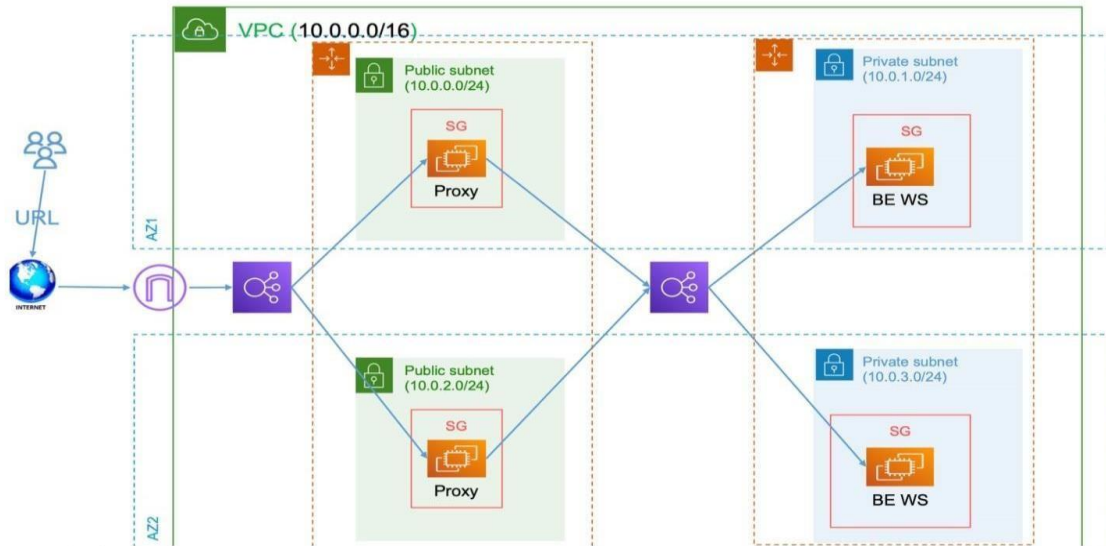


Question1:

Implement a vpc with cidr 10.0.0.0/16 with 2 public subnets with cidrs 10.0.0.0/24 and 10.0.0.2.0/24 with a load balancer to Distribute the traffic between 2 machines with nginx installed in them as a proxy and 2 private subnets with the below cidrs 10.0.1.0/24 and 10.0.0.3.0/24 then a 2 instances attached in autoscaling in the private subnets with apache installed without SSH and load balancer to install between them



Needed :

A screenshot from the autoscaling group after indicating the minimum ,maximum and desired instances

Screenshot from the 2 target groups indicating the machines are healthy

Screenshot indicate the the machines BE WS are private

Screenshot from the public load balancer when you hit a request from it from a browser with a response returned from the instances

1) Create two instance bastion (with public IP) and private (with private IP)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
bastion	i-0317e4fce91284d0b	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
private	i-0ea6ac005003b8a1e	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a

- bastion public

The screenshot displays the AWS Management Console interface for an EC2 instance. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, and AMIs. The main content area shows the 'Instance summary for i-0317e4fce91284d0b (bastion)' page. The instance is in a 'Running' state. Key details include: Instance ID: i-0317e4fce91284d0b (bastion), Public IPv4 address: 54.198.191.162, Private IPv4 address: 10.0.14.30, Public IPv4 DNS: ec2-54-198-191-162.compute-1.amazonaws.com, Instance type: t2.micro, VPC ID: vpc-027061de653e879f6, Subnet ID: subnet-0fa30fca853620a44, and IAM Role: -.

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0317e4fce91284d0b (bastion)	54.198.191.162 open address	10.0.14.30

Instance state	Public IPv4 DNS
Running	ec2-54-198-191-162.compute-1.amazonaws.com open address

Hostname type	Private IP DNS name (IPv4 only)
IP name: ip-10-0-14-30.ec2.internal	ip-10-0-14-30.ec2.internal

Answer private resource DNS name	Instance type
-	t2.micro

Auto-assigned IP address	VPC ID
54.198.191.162 [Public IP]	vpc-027061de653e879f6 (project-vpc)

IAM Role	Subnet ID
-	subnet-0fa30fca853620a44 (project-subnet-public1-us-east-1a)

Elastic IP addresses	AWS Compute Optimizer finding
-	Opt-in to AWS Compute Optimizer for recommendations. Learn more

Auto Scaling Group name
-

- private

The screenshot displays the AWS Management Console interface for an EC2 instance. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, and AMIs. The main content area shows the 'Instance summary for i-0ea6ac005003b8a1e (private)' page. The instance is in a 'Running' state. Key details include: Instance ID: i-0ea6ac005003b8a1e (private), Public IPv4 address: -, Private IPv4 address: 10.0.134.237, Public IPv4 DNS: -, Instance type: t2.micro, VPC ID: vpc-027061de653e879f6, Subnet ID: subnet-00d67eb2c635f19e3, and IAM Role: -.

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0ea6ac005003b8a1e (private)	-	10.0.134.237

Instance state	Public IPv4 DNS
Running	-

Hostname type	Private IP DNS name (IPv4 only)
IP name: ip-10-0-134-237.ec2.internal	ip-10-0-134-237.ec2.internal

Answer private resource DNS name	Instance type
-	t2.micro

Auto-assigned IP address	VPC ID
-	vpc-027061de653e879f6 (project-vpc)

IAM Role	Subnet ID
-	subnet-00d67eb2c635f19e3 (project-subnet-private1-us-east-1a)

IMDSv2	AWS Compute Optimizer finding
Optional	Opt-in to AWS Compute Optimizer for recommendations. Learn more

Auto Scaling Group name
-

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance details						
Platform	AMI ID	Monitoring				
Ubuntu (Inferred)	ami-053b0d53c279acc90	disabled				

- Connect with ssh key from Public to private machine

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0317e4fce91284d0b&osUser=ubuntu&sshPort=22#/

aws Services Search [Alt+S] N. Virginia Heba Shaban

```
ubuntu@ip-10-0-14-30:~$ sudo ssh -i "key.pem" ubuntu@10.0.134.237
The authenticity of host '10.0.134.237 (10.0.134.237)' can't be established.
ED25519 key fingerprint is SHA256:amnd6b2QT1PhNcStJaKY/0TVcBzUI+16nKbJ3JUnAoA.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.134.237' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1025-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Sat Jun 10 07:55:10 UTC 2023

System load:  0.00146484375   Processes:           97
Usage of /:    20.8% of 7.57GB   Users logged in:     0
Memory usage: 23%            IPv4 address for eth0: 10.0.134.237
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
```

i-0317e4fce91284d0b (bastion)

PublicIPs: 54.198.191.162 PrivateIPs: 10.0.14.30

CloudShell Feedback Language © 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

```
aws Services Search [Alt+S] N. Virginia Heba Shaban

System load:  0.00146484375   Processes:           97
Usage of /:    20.8% of 7.57GB   Users logged in:     0
Memory usage: 23%            IPv4 address for eth0: 10.0.134.237
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings

Last login: Sat Jun 10 07:52:09 2023 from 10.0.14.30
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-0-134-237:~$
```

i-0317e4fce91284d0b (bastion)

PublicIPs: 54.198.191.162 PrivateIPs: 10.0.14.30

1- Create VPC

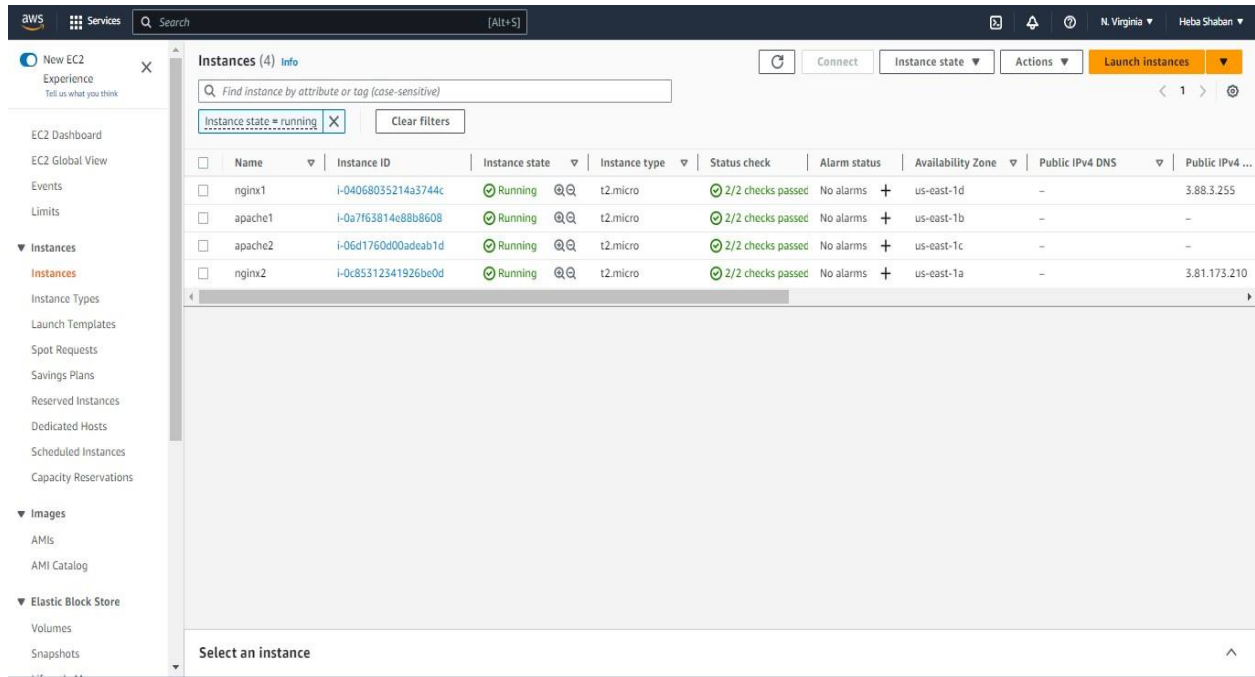
The screenshot shows the AWS Management Console interface for a VPC named 'project-vpc' (ID: vpc-07044780df3ef8421). The left sidebar contains navigation links for VPC dashboard, EC2 Global View, and various VPC resources like Subnets, Route tables, Internet gateways, etc. The main content area displays the 'Details' tab for the VPC, showing its state as 'Available', DNS hostnames as 'Disabled', and DNS resolution as 'Enabled'. Below the details, the 'Resource map' tab is active, showing a diagram of the VPC resources: the VPC 'project-vpc' is connected to four subnets (us-east-1a, public2-subnet, us-east-1b, private1-subnet, us-east-1c, private3-subnet), three route tables (private, public, and a third one), and two network connections (IGW and NAT). A tooltip 'Introducing the VPC resource map' is visible, explaining that solid lines represent relationships between resources and dotted lines represent network traffic to network functions.

2- Create 4 subnet (two Public and two Private)

The screenshot shows the AWS Management Console interface for the 'Subnets' page. The left sidebar is the same as in the first screenshot. The main content area displays the 'Subnets (1/4)' page with a search bar and a table of existing subnets. The table has columns for Name, Subnet ID, State, VPC, IPv4 CIDR, IPv6 CIDR, and Available. There are four subnets listed: private1-subnet, public1-subnet, private3-subnet, and public2-subnet. The 'public2-subnet' is selected. Below the table, the 'Details' tab for 'subnet-0fa60b881cf6ecc49 / public2-subnet' is active, showing tabs for Details, Flow logs, Route table, Network ACL, CIDR reservations, Sharing, and Tags.

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available
private1-subnet	subnet-0cb91821bbf344224	Available	vpc-07044780df3ef8421 pro...	10.0.1.0/24	-	249
public1-subnet	subnet-0559f107d9334c929	Available	vpc-07044780df3ef8421 pro...	10.0.0.0/24	-	248
private3-subnet	subnet-01da329e2af38500b	Available	vpc-07044780df3ef8421 pro...	10.0.3.0/24	-	249
public2-subnet	subnet-0fa60b881cf6ecc49	Available	vpc-07044780df3ef8421 pro...	10.0.2.0/24	-	249

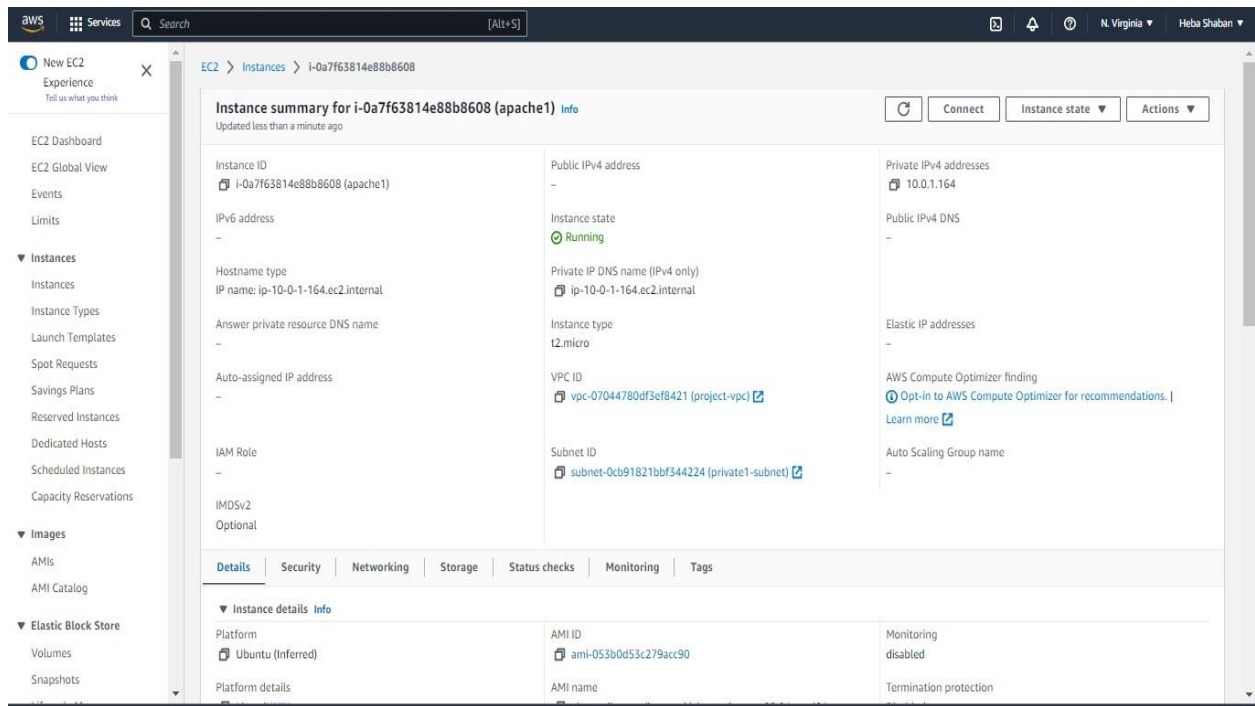
3- Create 4 instance



The screenshot shows the AWS Management Console 'Instances' page. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Scheduled Instances, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, and Snapshots. The main content area displays a table of 4 instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 The instances listed are nginx1, apache1, apache2, and nginx2, all in a 'Running' state. Below the table, there is a 'Select an instance' button.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
nginx1	i-04068035214a3744c	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d	-	3.88.3.255
apache1	i-0a7f63814e88b8608	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	-	-
apache2	i-06d1760d00adeab1d	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	-	-
nginx2	i-0c85312341926be0d	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	-	3.81.173.210

apache1 (private instance)



The screenshot shows the AWS Management Console 'Instance summary' page for the instance 'apache1' (ID: i-0a7f63814e88b8608). The left sidebar is the same as the previous screenshot. The main content area displays the instance details. The 'Instance summary' section shows the instance ID, IP addresses, hostname, and other configuration details. The 'Details' tab is selected, showing the platform (Ubuntu), AMI ID, and other configuration details. The 'Instance details' section shows the platform (Ubuntu), AMI ID, and other configuration details.

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0a7f63814e88b8608 (apache1)	-	10.0.1.164

Instance state	Private IP DNS name (IPv4 only)	Instance type
Running	ip-10-0-1-164.ec2.internal	t2.micro

VPC ID	Subnet ID	Elastic IP addresses
vpc-07044780df3ef8421 (project-vpc)	subnet-0cb91821bbf344224 (private1-subnet)	-

Platform	AMI ID	Monitoring
Ubuntu (Inferred)	ami-053b0d53c279acc90	disabled

apache2 (private instance)

The screenshot displays the AWS Management Console interface for an EC2 instance. The left sidebar shows navigation options like 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Limits', 'Instances', 'Images', and 'Elastic Block Store'. The main content area is titled 'Instance summary for i-06d1760d00adeab1d (apache2)'. It includes a 'Details' tab and a 'Security' tab. The 'Details' tab shows the instance's state as 'Running' and provides various identifiers and addresses. Below the summary, there are tabs for 'Details', 'Security', 'Networking', 'Storage', 'Status checks', 'Monitoring', and 'Tags'. The 'Details' tab is selected, showing the instance's platform as 'Ubuntu (Inferred)' and its AMI ID as 'ami-053b0d53c279acc90'.

Instance summary for i-06d1760d00adeab1d (apache2)		
Instance ID	Public IPv4 address	
i-06d1760d00adeab1d (apache2)	-	
IPv6 address	Instance state	Private IPv4 addresses
-	Running	10.0.3.200
Hostname type	Private IP DNS name (IPv4 only)	Public IPv4 DNS
IP name: ip-10-0-3-200.ec2.internal	ip-10-0-3-200.ec2.internal	-
Answer private resource DNS name	Instance type	Elastic IP addresses
-	t2.micro	-
Auto-assigned IP address	VPC ID	AWS Compute Optimizer finding
-	vpc-07044780df3ef8421 (project-vpc)	Opt-in to AWS Compute Optimizer for recommendations. Learn more
IAM Role	Subnet ID	Auto Scaling Group name
-	subnet-01da329e2af3850bb (private3-subnet)	-
IMDSv2		
Optional		

Instance details		
Platform	AMI ID	Monitoring
Ubuntu (Inferred)	ami-053b0d53c279acc90	disabled
Platform details	AMI name	Termination protection

4- Internet Gateway

The screenshot displays the AWS Management Console interface for an Internet Gateway. The left sidebar shows navigation options like 'VPC dashboard', 'EC2 Global View', 'Filter by VPC', 'Virtual private cloud', 'Your VPCs', 'Subnets', 'Route tables', 'Internet gateways', 'Egress-only internet gateways', 'Carrier gateways', 'DHCP option sets', 'Elastic IPs', 'Managed prefix lists', 'Endpoints', 'Endpoint services', 'NAT gateways', 'Peering connections', 'Security', 'Network ACLs', 'Security groups', and 'DNS firewall'. The main content area is titled 'igw-04f04f01134b7b2a9 / IGW'. It includes a 'Details' tab and a 'Tags' tab. The 'Details' tab shows the internet gateway's state as 'Attached' and provides various identifiers and the owner. Below the summary, there are tabs for 'Details' and 'Tags'. The 'Details' tab is selected, showing the internet gateway's platform as 'Ubuntu (Inferred)' and its AMI ID as 'ami-053b0d53c279acc90'.

igw-04f04f01134b7b2a9 / IGW			
Details			
Internet gateway ID	State	VPC ID	Owner
igw-04f04f01134b7b2a9	Attached	vpc-07044780df3ef8421 project-vpc	832031329569

Tags	
Search tags	
Key	Value
Name	IGW

5- Create 2 Route table one public and one private

The screenshot shows the AWS Management Console interface. On the left, the 'Virtual private cloud' section is expanded, showing 'Route tables' as the selected option. The main panel displays a list of route tables under the heading 'Route tables (1/4)'. The table has columns: Name, Route table ID, Explicit subnet associations, Edge associations, Main, and VPC. The 'private' route table (ID: rtb-0d2e96ef02edd868d) is selected. Below the list, the details for the 'private' route table are shown, including tabs for Details, Routes, Subnet associations, Edge associations, Route propagation, and Tags. The 'Details' tab is active, showing the route table ID, main status (No), explicit subnet associations (2 subnets), and edge associations (none).

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC	Owner ID
private	rtb-0d2e96ef02edd868d	2 subnets	–	No	vpc-07044780df3ef8421 proje...	832031...
–	rtb-047735bb56ee6b368	–	–	Yes	vpc-07044780df3ef8421 proje...	832031...
public	rtb-03d331573e08aba3c	2 subnets	–	No	vpc-07044780df3ef8421 proje...	832031...
–	rtb-0d3dcdfa30824e076	–	–	Yes	vpc-084550dbb48a015f0	832031...

- Route table public

The screenshot shows the AWS Management Console interface for the 'public' route table (ID: rtb-03d331573e08aba3c). The 'Details' tab is active, showing the route table ID, main status (No), explicit subnet associations (2 subnets), and edge associations (none). The 'Routes' tab is also visible, showing a list of routes with columns: Destination, Target, Status, and Propagated. There are two routes listed: one for destination 0.0.0.0/0 targeting igw-04f04f01134b7b2a9, and another for destination 10.0.0.0/16 targeting local. Both routes are active.

Destination	Target	Status	Propagated
0.0.0.0/0	igw-04f04f01134b7b2a9	Active	No
10.0.0.0/16	local	Active	No

- Route table private

The screenshot shows the AWS Management Console interface for a private route table. The breadcrumb navigation is VPC > Route tables > rtb-0d2e96ef02edd868d. The title is "rtb-0d2e96ef02edd868d / private". A notification bar at the top states: "You can now check network connectivity with Reachability Analyzer" with a "Run Reachability Analyzer" button. The "Details" section includes:

- Route table ID: rtb-0d2e96ef02edd868d
- Main: No
- Owner ID: 832031329569
- Explicit subnet associations: 2 subnets
- Edge associations: -

The "Routes" tab is selected, showing a table with 2 routes:

Destination	Target	Status	Propagated
0.0.0.0/0	nat-0673844522e6dcbe0	Active	No
10.0.0.0/16	local	Active	No

6- Create NAT Gateway

The screenshot shows the AWS Management Console interface for a NAT gateway. The breadcrumb navigation is NAT gateways > nat-0673844522e6dcbe0. The title is "nat-0673844522e6dcbe0 / NAT". A "Create NAT gateway" button is visible in the top right. The "Details" section includes:

- NAT gateway ID: nat-0673844522e6dcbe0
- Connectivity type: Public
- State: Available
- State message: -
- Primary public IPv4 address: 54.237.67.20
- Primary private IPv4 address: 10.0.0.93
- Primary network interface ID: eni-086efc7ae4a25ed36
- NAT gateway ARN: arn:aws:ec2:us-east-1:832031329569:natgateway/nat-0673844522e6dcbe0
- Subnet: subnet-0559f107d9334c929 / public1-subnet
- Created: Sunday, June 11, 2023 at 20:53:19 GMT+3
- Deleted: -

7- Create 2 security groups

Security Groups (4) Info

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count
<input type="checkbox"/>	--	sg-04b46aacd9980b0f1	default	vpc-07044780df3ef8421	default VPC security gr...	832031329569	1 Permission entry
<input type="checkbox"/>	--	sg-06cd7d0e849049f4c	default	vpc-084550dbb48a015f0	default VPC security gr...	832031329569	1 Permission entry
<input type="checkbox"/>	--	sg-0fc38e5f726fb22a5	protocol	vpc-07044780df3ef8421	ssh-http	832031329569	2 Permission entries
<input type="checkbox"/>	--	sg-006a757d67718915e	http	vpc-07044780df3ef8421	http	832031329569	1 Permission entry

8- Create 2 Target group one private and one public

EC2 > Target groups

Target groups (2) Info

Find resources by attribute or tag

	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input type="checkbox"/>	private	arn:aws:elasticloadbalancing...	80	HTTP	Instance	ALB-private	vpc-07044780df3ef8421
<input type="checkbox"/>	public	arn:aws:elasticloadbalancing...	80	HTTP	Instance	ALB-public	vpc-07044780df3ef8421

0 target groups selected

Select a target group above.

- private target for private machine

The screenshot shows the AWS Management Console interface for a private target group. The breadcrumb navigation indicates the path: EC2 > Target groups > private. The left-hand navigation pane lists various AWS services, with 'Network & Security' expanded to show 'Load Balancing'.

Details

Target type: Instance
Protocol : Port: HTTP: 80
Protocol version: HTTP1
VPC: vpc-07044780df3ef8421

IP address type: IPv4
Load balancer: ALB-private

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
2	2	0	0	0	0

Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

Registered targets (2)

Instance ID	Name	Port	Zone	Health status	Health status details
i-06d1760d00adeab1d	apache2	80	us-east-1c	healthy	
i-0a7f63814e88b8608	apache1	80	us-east-1b	healthy	

- public target for private machine

The screenshot shows the AWS Management Console interface for a public target group. The breadcrumb navigation indicates the path: EC2 > Target groups > public. The left-hand navigation pane lists various AWS services, with 'Network & Security' expanded to show 'Load Balancing'.

Details

Target type: Instance
Protocol : Port: HTTP: 80
Protocol version: HTTP1
VPC: vpc-07044780df3ef8421

IP address type: IPv4
Load balancer: ALB-public

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
2	2	0	0	0	0

Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

Registered targets (2)

Instance ID	Name	Port	Zone	Health status	Health status details
i-04068035214a3744c	nginx1	80	us-east-1d	healthy	
i-0c85312341926be0d	nginx2	80	us-east-1a	healthy	

2) Create 2 Load blancer

- ALB-private for private machine
- ALB-public for public machine

EC2 > Load balancers

Load balancers (2)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Find resources by attribute or tag

<input type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
<input type="checkbox"/>	ALB-private	internal-ALB-private-1023...	Active	vpc-07044780df3ef8421	2 Availability Zones	application	June 11, 2023, 22:53 (UTC+03:00)
<input type="checkbox"/>	ALB-public	ALB-public-471277355.us...	Active	vpc-07044780df3ef8421	2 Availability Zones	application	June 11, 2023, 22:32 (UTC+03:00)

0 load balancers selected

Select a load balancer above.

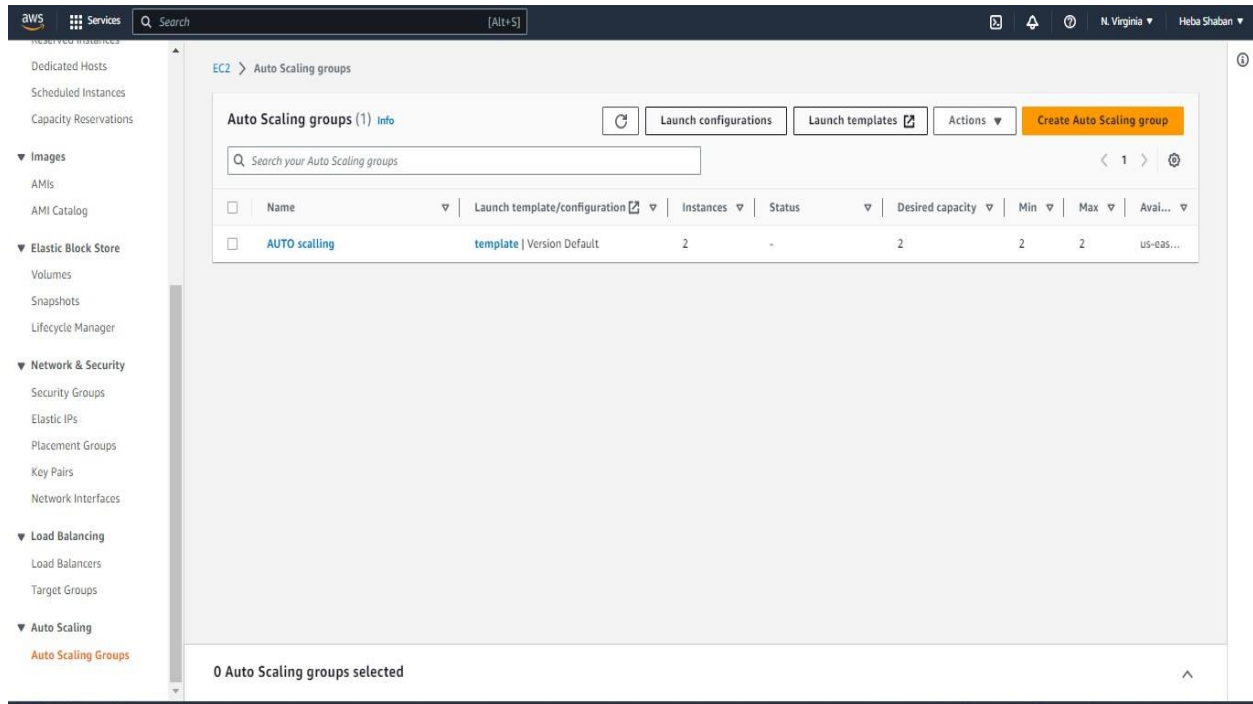
- The Output of Loadblancing

hello

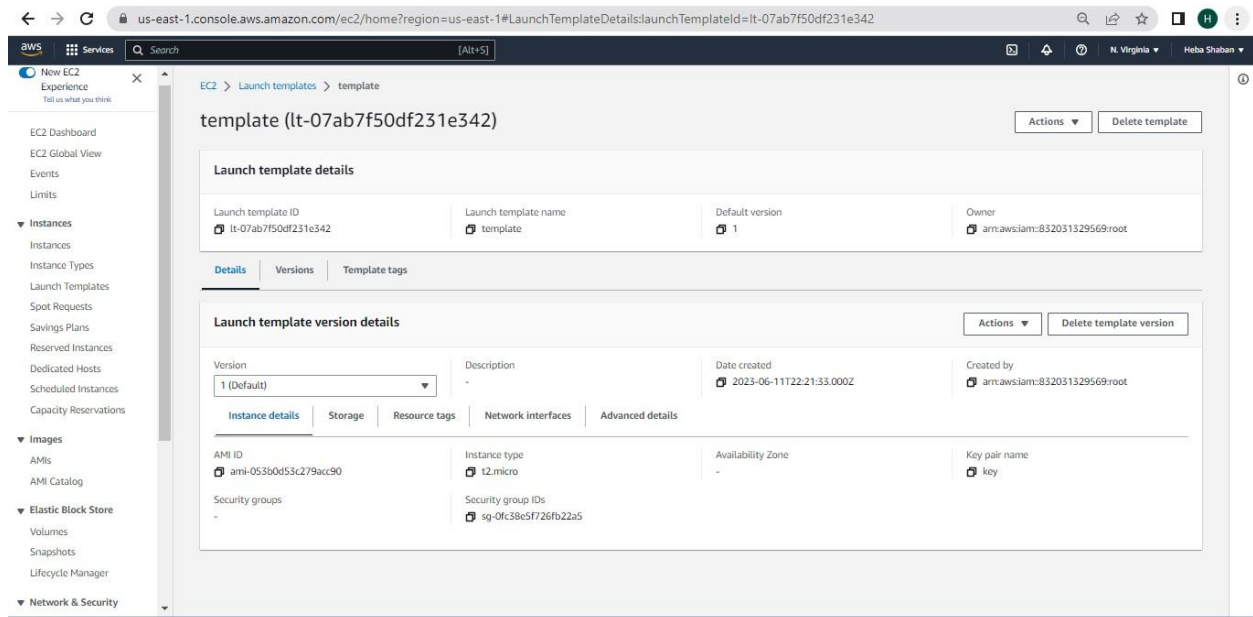
welcome

3)Auto scalling

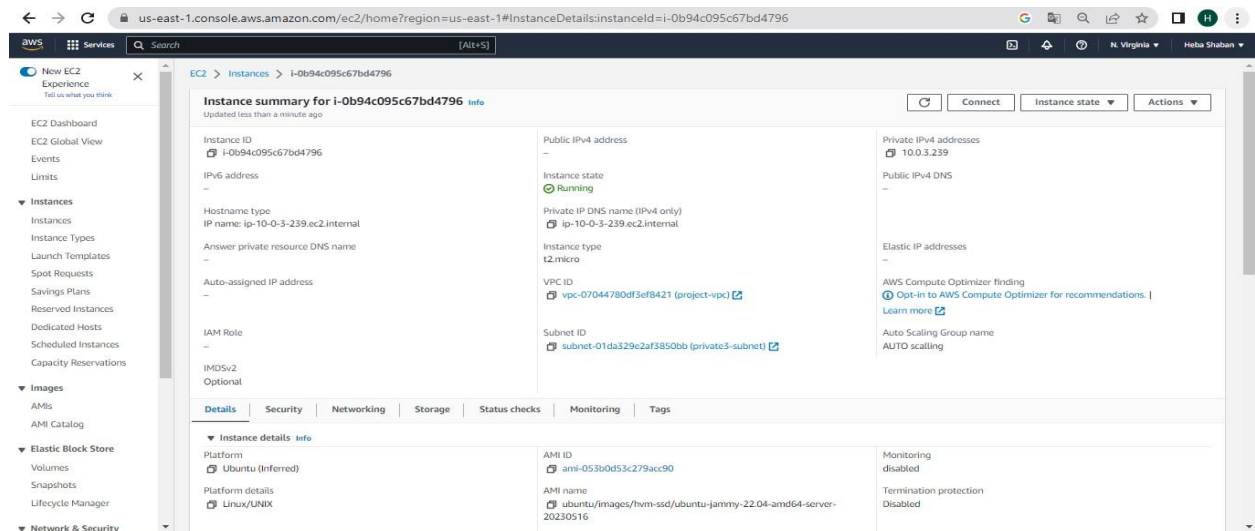
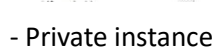
- Create Auto Scalling group for Private Load Blancer(private machine)



- Create Template



—



us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-07ac726292cddb701

aws Services Search [Alt+S]

EC2 > Instances > i-07ac726292cddb701

Instance summary for i-07ac726292cddb701 [info](#)

Updated less than a minute ago

[Connect](#) [Instance state](#) [Actions](#)

Instance ID i-07ac726292cddb701	Public IPv4 address -	Private IPv4 addresses 10.0.1.110
IPv6 address -	Instance state Running	Public IPv4 DNS -
Hostname type IP name: ip-10-0-1-110.ec2.internal	Private IP DNS name (IPv4 only) ip-10-0-1-110.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address -	VPC ID vpc-07044780df3ef8421 (project-vpc)	Auto Scaling Group name AUTO scaling
IAM Role -	Subnet ID subnet-0cb91821bbf344224 (private1-subnet)	
IMDSv2 Optional		

[Details](#) [Security](#) [Networking](#) [Storage](#) [Status checks](#) [Monitoring](#) [Tags](#)

Instance details [info](#)

Platform Ubuntu (Inferred)	AMI ID ami-053b0d53c279acc90	Monitoring disabled
Platform details Linux/UNIX	AMI name ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20230516	Termination protection Disabled

- Attach Instance to template

aws Services Search [Alt+S]

EC2 > Load Balancing > arn:aws:elasticloadbalancing:us-east-1:832031329569:targetgroup/private/3ca6c08a95ba94e3

Details

Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	VPC vpc-07044780df3ef8421
IP address type IPv4	Load balancer ALB-private		

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
2	2	0	0	0	0

► Distribution of targets by Availability Zone (AZ)
Select values in this table to see corresponding filters applied to the Registered targets table below.

[Targets](#) [Monitoring](#) [Health checks](#) [Attributes](#) [Tags](#)

Registered targets (2)

[Filter resources by property or value](#)

<input type="checkbox"/>	Instance ID	Name	Port	Zone	Health status	Health status details
<input type="checkbox"/>	i-0b94c095c67bd4796		80	us-east-1c	healthy	
<input type="checkbox"/>	i-07ac726292cddb701		80	us-east-1b	healthy	

- Create 2 target group
- public target group

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#TargetGroup:targetGroupArn=arn:aws:elasticloadbalancing:us-east-1:832031329569:targetgroup/...

EC2 > Target groups > public

public

Details

Target type: Instance

Protocol: Port: HTTP: 80

Protocol version: HTTP1

VPC: vpc-07044780df3ef8421

IP address type: IPv4

Load balancer: ALB-public

Total targets: 2

Healthy: 2

Unhealthy: 0

Unused: 0

Initial: 0

Draining: 0

Distribution of targets by Availability Zone (AZ)

Targets

Registered targets (2)

Instance ID	Name	Port	Zone	Health status	Health status details
i-04068035214a3744c	nginx1	80	us-east-1d	healthy	
i-0c85312541926be0d	nginx2	80	us-east-1a	healthy	

- private target group

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#TargetGroup:targetGroupArn=arn:aws:elasticloadbalancing:us-east-1:832031329569:targetgroup/...

EC2 > Target groups > private

private

Details

Target type: Instance

Protocol: Port: HTTP: 80

Protocol version: HTTP1

VPC: vpc-07044780df3ef8421

IP address type: IPv4

Load balancer: ALB-private

Total targets: 2

Healthy: 2

Unhealthy: 0

Unused: 0

Initial: 0

Draining: 0

Distribution of targets by Availability Zone (AZ)

Targets

Registered targets (2)

Instance ID	Name	Port	Zone	Health status	Health status details
i-0b94c095657bd4796		80	us-east-1c	healthy	
i-07ac726292c0db701		80	us-east-1b	healthy	

- Output of loadblancing

← → ↻ ⚠ Not secure | alb-public-471277355.us-east-1.elb.amazonaws.com 🔍 📄 ☆ 🖨 10.0.1.110a6

← → ↻ ⚠ Not secure | alb-public-471277355.us-east-1.elb.amazonaws.com 🔍 📄 ☆ 🖨 10.0.3.239a6