

```
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallServer 8080 &
[1] 96811
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % Using port: 0.0.0.0/0.0.0.0
jobs
[1] + running java Magic8BallServer 8080
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % kill %1
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %
[1] + exit 143 java Magic8BallServer 8080
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %

matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient localhost 8080
"Can I do a backflip?"
Magic 8 Ball says: Yes definitely
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %
```

This is after I set up the client and server locally and tested them out in my terminal

```
ec2-user@ip-172-31-90-223: ~ - ssh -i NWEN243_P1.pem ec2-user...
[1] 26307
ec2-user@ip-172-31-90-223: ~$ Using port: 0.0.0.0/0.0.0.0

matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178
8080 "Is my name Matt"
Magic 8 Ball says: Signs point to yes
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %
```

This is after I created my ec2 instance and uploaded my code, I found out I compiled my code with java 17 in my ide and had to install jdk 11 to ec2 which had some problems so I used ai to help work around the problems and get it installed so I could just edit and compile in the terminal and not have to upload every change.

```
ec2-user@ip-172-31-90-223: ~$ Using port: 0.0.0.0/0.0.0.0
^C
[ec2-user@ip-172-31-90-223 ~]$ jobs
[ec2-user@ip-172-31-90-223 ~]$ ps -aux | grep 'java Magic8BallServer'
ec2-user 7369 0.3 2.8 2289484 28284 pts/0 S1 08:31 0:00 java Magic8BallServer 8080
ec2-user 7893 0.0 0.0 119424 924 pts/0 S+ 08:31 0:00 grep --color=auto java Magic8BallServer
[ec2-user@ip-172-31-90-223 ~]$ kill 7369
[ec2-user@ip-172-31-90-223 ~]$ nano run.sh
run.sh: line 3: ec2-user/: No such file or directory
[ec2-user@ip-172-31-90-223 ~]$ Using port: 0.0.0.0/0.0.0.0
^C
[ec2-user@ip-172-31-90-223 ~]$ ps -aux | grep 'java Magic8BallServer'
^C
[ec2-user@ip-172-31-90-223 ~]$ ps -aux | grep 'java Magic8BallServer'
ec2-user 8112 0.2 2.8 2289484 28280 pts/0 S1 08:32 0:00 java Magic8BallServer 8080
ec2-user 8977 0.0 0.0 119424 956 pts/0 S+ 08:33 0:00 grep --color=auto java Magic8BallServer
[ec2-user@ip-172-31-90-223 ~]$ kill 8112
[ec2-user@ip-172-31-90-223 ~]$ nano run.sh
run.sh: line 3: cd /home/ec2-user/: No such file or directory
[ec2-user@ip-172-31-90-223 ~]$ Using port: 0.0.0.0/0.0.0.0
^C
[ec2-user@ip-172-31-90-223 ~]$ sudo crontab -e
no crontab for root - using an empty one
crontab: installing new crontab
[ec2-user@ip-172-31-90-223 ~]$ sudo crontab -l
@reboot sh /home/ec2-user/run.sh
[ec2-user@ip-172-31-90-223 ~]$

matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178 8080 "Is my name Matt"
Magic 8 Ball says: Signs point to yes
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178 8080 "is my name matt"
^C
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178 8080 "is mt name matt"
Magic 8 Ball says: Without a doubt
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178 8080 "is my name matt"
Magic 8 Ball says: As I see it, yes(172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Yes definitely (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Ask again later (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Don't count on it (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Client error: Connection refused (Connection refused)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Better not tell you now (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %
```

I found out I had some problems later on with creating images and instances from those images because I forgot a space in cd /home/ec2-user/run.sh but fixed it later and It still didn't work and finally figured out I had to re do the crontab so it had the fix in the thing, if this makes sense

```

NWEN243_P2 -- ec2-user@ip-172-31-90-204:~ -- zsh -- 92x31
[ec2-user@ip-172-31-90-223 ~]$ Using port: 0.0.0.0/0.0.0.0
^C
[ec2-user@ip-172-31-90-223 ~]$ exit
logout
Connection to 3.95.31.185 closed.
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % ssh -i NWEN243_P1.pem ec2-user@54.89.253.219
The authenticity of host '54.89.253.219 (54.89.253.219)' can't be established.
ED25519 key fingerprint is SHA256:HULzrdNVPVdciMPweZTEBqFOOdcXQrgDio850r83l.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.89.253.219' (ED25519) to the list of known hosts.
Last login: Thu Sep 12 08:48:06 2024 from 161.65.87.235

_ _ _ _ _
|_ _ _ _ _|   Amazon Linux 2
|_ _ _ _ _|   AL2 End of Life is 2025-06-30.
|_ _ _ _ _|   V
|_ _ _ _ _|   A newer version of Amazon Linux is available!
|_ _ _ _ _|   Amazon Linux 2023, GA and supported until 2028-03-15.
|_ _ _ _ _|   https://aws.amazon.com/linux/amazon-linux-2023/
_ _ _ _ _

[ec2-user@ip-172-31-90-204 ~]$ ls
hello.java  Magic8BallServer.class  Magic8BallServer.java  run.sh
[ec2-user@ip-172-31-90-204 ~]$ nano run.sh
[ec2-user@ip-172-31-90-204 ~]$ exit
logout
Connection to 54.89.253.219 closed.
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %

matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178 8080 "is mt name matt"
Magic 8 Ball says: Without a doubt
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.165.240.178 8080 "is my name matt"
Magic 8 Ball says: As I see it, yes(172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Yes definitely (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Ask again later (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Don't count on it (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Client error: Connection refused (Connection refused)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Better not tell you now (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Concentrate and ask again (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 54.89.253.219 8080 "question"
Client error: Connection refused (Connection refused)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Error: Could not find or load main class Magic8BallClient
Caused by: java.lang.NoClassDefFoundError: Magic8BallClient (wrong name: Magic8BallClient)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
zsh: command not found: Magic8BallClient
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 "question"
User: Magic8BallClient rhothname: <port>: <question>
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "question"
Magic 8 Ball says: Outlook not so good (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7: NWEN243_P2 %
```

This is image 4 that shows it still works after the instance reboot

Successfully initiated rebooting of i-0d5e57f35edade67e-i-05a77445019f6372d

Instances (2/2) info

Find instance by attribute or tag (case-sensitive) All states

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP | IPv6 IPs | Monitoring | Security |
|------------------|---------------------|----------------|---------------|-------------------|--------------|-------------------|-------------------------|-----------------|------------|----------|------------|----------|
| NWEN243_P2 | i-05a77445019f6372d | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-3-95-31-185.com... | 3.95.31.185 | - | - | disabled | launch |
| Magic8Ball Im... | i-0d5e57f35edade67e | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-54-89-253-219.co... | 54.89.253.219 | - | - | disabled | launch |

2 instances selected

Alarm recommendations

1h 3h 12h 1d 3d 1w Custom UTC timezone Add to dashboard

CPU utilization (%)

Network in (bytes)

Network out (bytes)

Network packets in (count)

Network packets out (count)

CPU credit usage (count)

CPU credit balance (count)

```
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % java Magic8BallClient 3.95.31.185 8080 "Is my name matt"
Magic 8 Ball says: Signs point to yes (172.31.90.223)
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % java Magic8BallClient 54.89.253.219 8080 "is my name matt"
Magic 8 Ball says: Very doubtful (172.31.90.204)
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 %
```

This is showing the AMI and original instance work with the client

Amazon Machine Images (AMIs) (1/1) info

Owned by me Find AMI by attribute or tag

| Name | AMI name | AMI ID | Source | Owner | Visibility | Status | Creation date | Platform |
|------------------|----------------------|-------------------------------|--------------|---------|------------|-------------------------|---------------|----------|
| Magic8Ball Image | ami-0bac8861b07d8160 | 790237383528/Magic8Ball Image | 790237383528 | Private | Available | 2024/09/12 20:51 GMT+12 | Linux/UNIX | |

AMI ID: ami-0bac8861b07d8160

Details Permissions Storage Tags

| | | | |
|--------------------------------|--|--|---------------------------------|
| AMI ID ami-0bac8861b07d8160 | Image type machine | Platform details Linux/UNIX | Root device type EBS |
| AMI name Magic8Ball Image | Owner account ID 790237383528 | Architecture x86_64 | Usage operation RunInstances |
| Root device name /dev/xvda | Status Available | Source 790237383528/Magic8Ball Image | Virtualization type hvm |
| Boot mode -- | State reason -- | Creation date Thu Sep 12 2024 20:51:44 GMT+1200 (New Zealand Standard Time) | Kernel ID -- |
| Description -- | Product codes -- | RAM disk ID -- | Deprecation time -- |
| Last launched time -- | Block devices /dev/xvda=map-0ef2f3627c8a2640:8:true:gp2 | Deregistration protection Disabled | |

This screenshot shows the AMI I created

```
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 — ec2-user@ip-192-168-0-147:~ — ssh -i NWEN243_P1.pem ec2-user@18...

matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % clear

matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % ssh -i NWEN243_P1.pem ec2-user@3.92.255.41
The authenticity of host '3.92.255.41 (3.92.255.41)' can't be established.
ED25519 key fingerprint is SHA256:WJgwWvzgdFTI8TyfdtPVMsYoM3u0nXzEAB8Q4/2wIvQ.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '3.92.255.41' (ED25519) to the list of known hosts.
Last login: Thu Sep 12 10:55:30 2024 from 161.65.87.235

#_
~\_#####_ Amazon Linux 2
~~\_#####\_
~~\_###| AL2 End of Life is 2025-06-30.
~~\_#/
~~\_V~' '--->
~~~
~~~.~.~
~~~/_/_/_/_/_
~~~/_m/'

A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-192-168-1-31 ~]$ ls
hello.java Magic8BallServer.class Magic8BallServer.java run.sh
[ec2-user@ip-192-168-1-31 ~]$ exit
[logout]
Connection to 3.92.255.41 closed.
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % ssh -i NWEN243_P1.pem ec2-user@18.210.6.208
The authenticity of host '18.210.6.208 (18.210.6.208)' can't be established.
ED25519 key fingerprint is SHA256:HcQQHpjBJxwEYR4Zg0bvmjME21vExa3l5/hT5L4qF4k.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '18.210.6.208' (ED25519) to the list of known hosts.
Last login: Thu Sep 12 10:55:30 2024 from 161.65.87.235

#_
~\_#####_ Amazon Linux 2
~~\_#####\_
~~\_###| AL2 End of Life is 2025-06-30.
~~\_#/
~~\_V~' '--->
~~~
~~~.~.~
~~~/_/_/_/_/_
~~~/_m/'

A newer version of Amazon Linux is available!

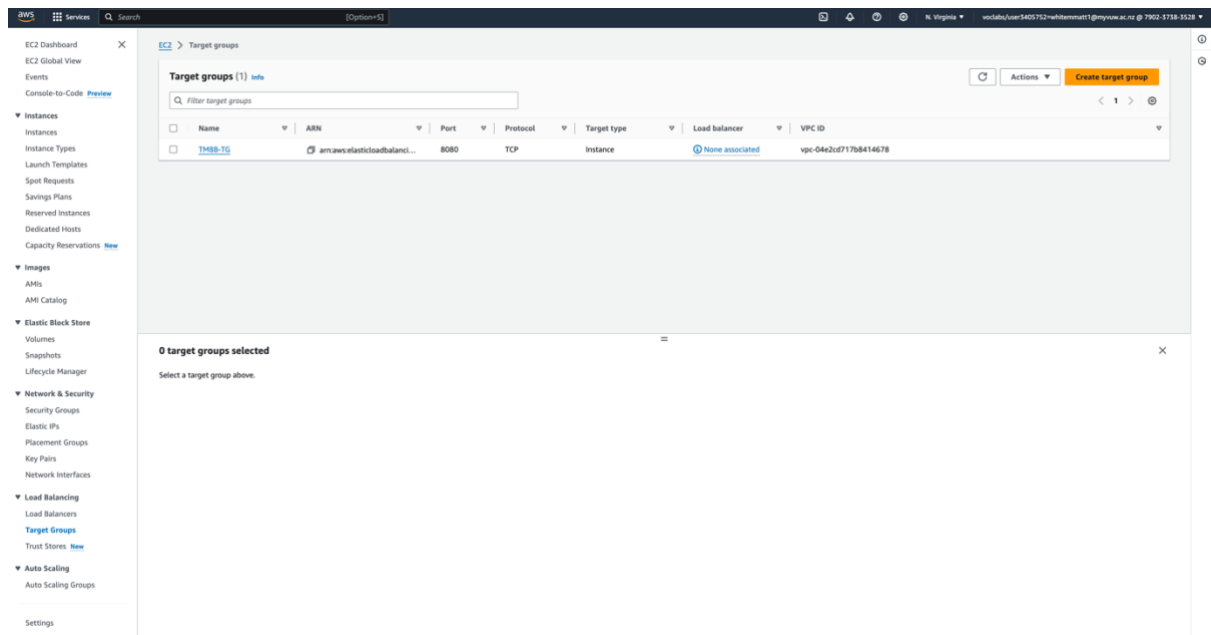
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@ip-192-168-0-147 ~]$ █

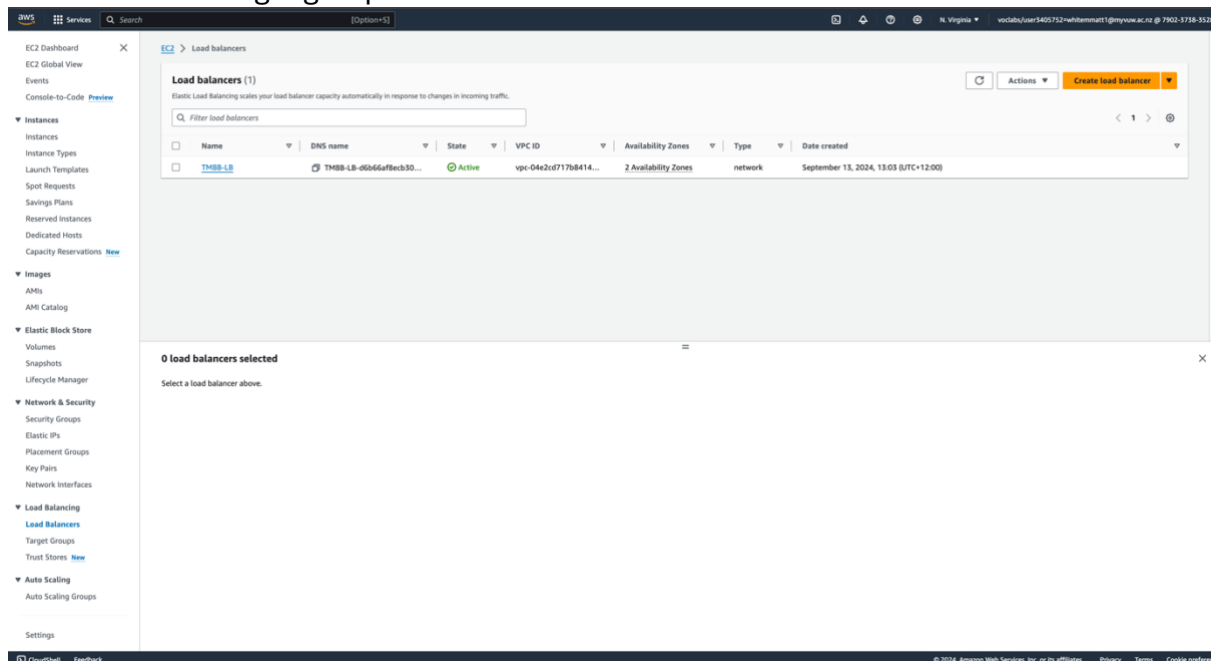
NWEN243_P2 — -zsh — 121x31

matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % java Magic8BallClient 18.210.6.208 8080 "question"
Magic 8 Ball says: It is certain (192.168.0.147)
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % java Magic8BallClient 3.92.255.41 8080 "question"
Magic 8 Ball says: Yes definitely (192.168.1.31)
matthewwhiteman@Matthews-MacBook-Air-7 NWEN243_P2 % █
```

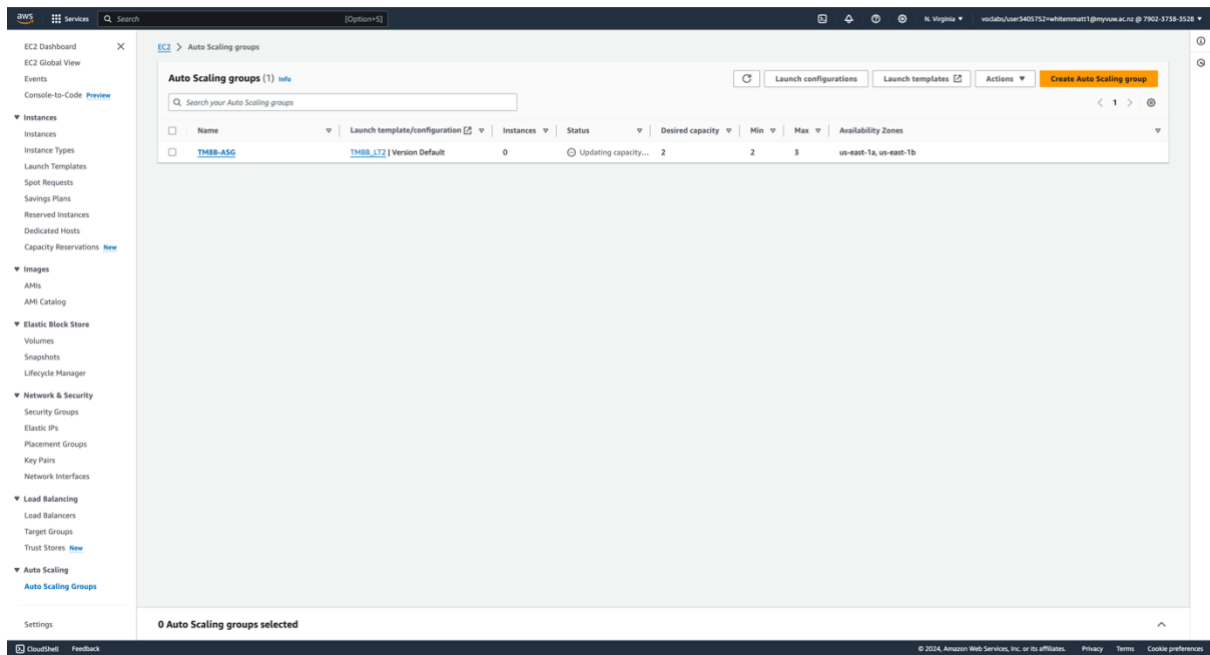
The screenshots above show that both the subnets from the launch template work with the client and the server



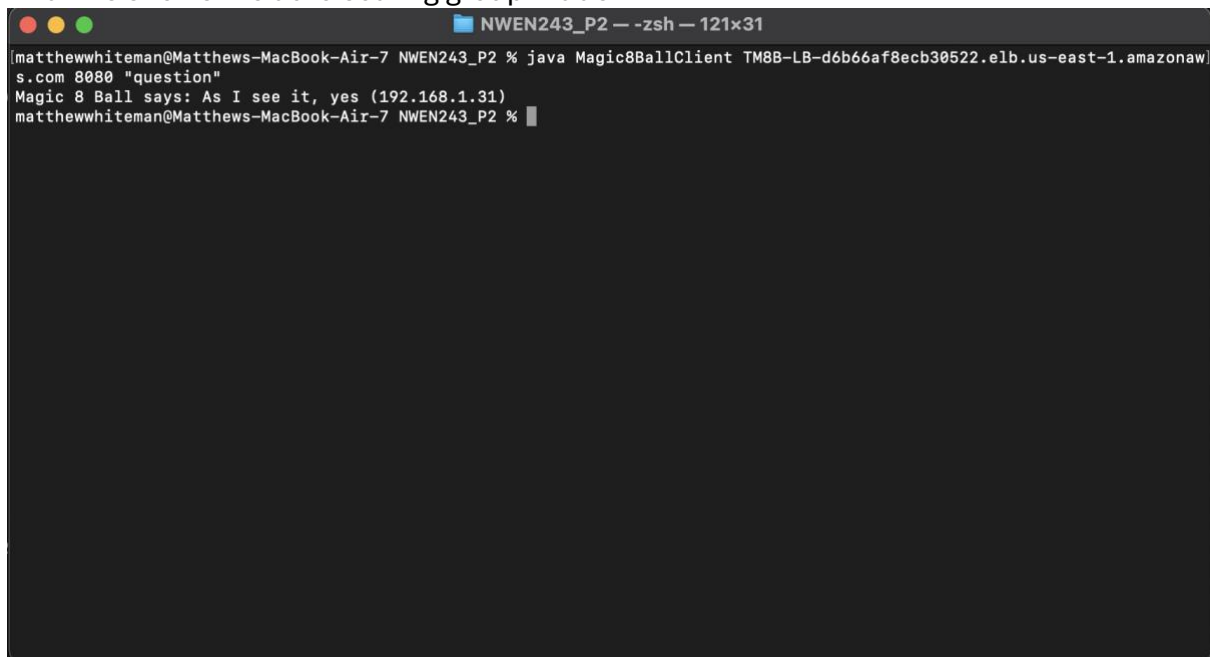
This shows the target group I made



This shows the load balancer



And this shows the auto scaling group made



This screenshot shows that using the dns from the load balancer also works

Success: Successfully initiated termination (deletion) of i-0d7f84ec52a764731-i-066b0cd10de954aae

Instances (6) info

Find instance by attribute or tag (name=smaller)

All states

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP | IPv6 IPs | Monitoring |
|------------------|---------------------|----------------|---------------|-------------------|--------------|-------------------|--------------------------|-----------------|------------|----------|------------|
| | i-0b409b16c5d742f81 | Running | t2.micro | Initializing | View alarms | us-east-1a | -- | 3.236.131.118 | -- | -- | disabled |
| | i-0d7f84ec52a76473f | Terminated | t2.micro | -- | View alarms | us-east-1a | -- | -- | -- | -- | disabled |
| NWEN243_P2 | i-05a77445019f6972d | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-34-205-68-33.com... | 34.205.68.33 | -- | -- | disabled |
| Test_2 | i-0ef56071ac70ea275 | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-52-91-213-220.co... | 52.91.213.220 | -- | -- | disabled |
| Magic8Ball Im... | i-0d5e67f36edade67e | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-18-206-164-196.co... | 18.206.164.196 | -- | -- | disabled |
| | i-066b0cd10de954aae | Terminated | t2.micro | -- | View alarms | us-east-1b | -- | -- | -- | -- | disabled |

Select an instance

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Question 1:

After deleting the instances then connecting to the load balancer again it created new instances

EC2 Dashboard

Auto Scaling group updated successfully

Auto Scaling groups (1/1)

| Name | Launch template/configuration | Instances | Status | Desired capacity | Min | Max | Availability Zones |
|----------|-------------------------------|-----------|--------|------------------|-----|-----|------------------------|
| TM8B-ASG | TM8B_LT2 Version Default | 2 | - | 2 | 2 | 2 | us-east-1a, us-east-1b |

Auto Scaling group: TM8B-ASG

Details Activity Automatic scaling Instance management Monitoring Instance refresh

Group details

Auto Scaling group name: TM8B-ASG

Desired capacity: 2

Desired capacity type: Units (number of instances)

Amazon Resource Name (ARN): arn:aws:autoscaling:us-east-1:790217383528:autoScalingGroup:autoScalingGroup-1790217383528

Successfully initiated termination (deletion) of i-0d7764ec52a76473f-i-066bce510de954aae

Instances (7)

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic IP | IPv6 IPs | Monitoring |
|-----------------|---------------------|----------------|---------------|-------------------|--------------|-------------------|--------------------------|-----------------|------------|----------|------------|
| | i-0b406016c6d7428b1 | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1a | - | 3.236.131.118 | - | - | disabled |
| | i-0d7764ec52a76473f | Terminated | t2.micro | - | View alarms | us-east-1a | - | - | - | - | disabled |
| NWEN243_P2 | i-05a77445019f5972d | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-34-205-68-33.com... | 34.205.68.33 | - | - | disabled |
| Test_2 | i-0ef56071ac70ea275 | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-52-91-213-220.co... | 52.91.213.220 | - | - | disabled |
| MagicBall Im... | i-0d5e47f36dadde67e | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | ec2-18-206-164-196.co... | 18.206.164.196 | - | - | disabled |
| | i-04f94a3923a786a08 | Running | t2.micro | 2/2 checks passed | View alarms | us-east-1b | - | 54.83.148.44 | - | - | disabled |
| | i-066bce510de954aae | Terminated | t2.micro | - | View alarms | us-east-1b | - | - | - | - | disabled |

Select an instance

Question 2:

I increased it to 4 first then re-read the question and decreased it, which then terminates the instances to the autoscaling setting or increases it.

EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores

Auto Scaling

Auto Scaling Groups

Settings

EC2 > Target groups

Target groups (1/1)

Filter target groups

| Name | ARN | Port | Protocol | Target type | Load balancer | VPC ID |
|---------|---|------|----------|-------------|-----------------|-----------------------|
| TMBB-TG | arn:aws:elasticloadbalancing:us-east-1:123456789012:targetgroup/TMBB-TG/vpc-04e2cd717b8414678 | 8080 | TCP | Instance | None associated | vpc-04e2cd717b8414678 |

Target group: TMBB-TG

Details | Targets | Monitoring | Health checks | Attributes | Tags

1h 3h 12h 1d 3d 1w Custom UTC timezone Add to dashboard

Unhealthy Hosts (Maximum)

Healthy Hosts (Minimum)

Unhealthy Hosts (Average)

Healthy Hosts (Average)

EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores

Auto Scaling

Auto Scaling Groups

Settings

EC2 > Load balancers

Load balancers (1/1)

Filter load balancers

| Name | DNS name | State | VPC ID | Availability Zones | Type | Date created |
|---------|-------------------------|--------|-----------------------|----------------------|---------|---------------------------------------|
| TMBB-LB | tmbb-lb-dbb66af3eb30... | Active | vpc-04e2cd717b8414... | 2 Availability Zones | network | September 13, 2024, 13:05 (UTC+12:00) |

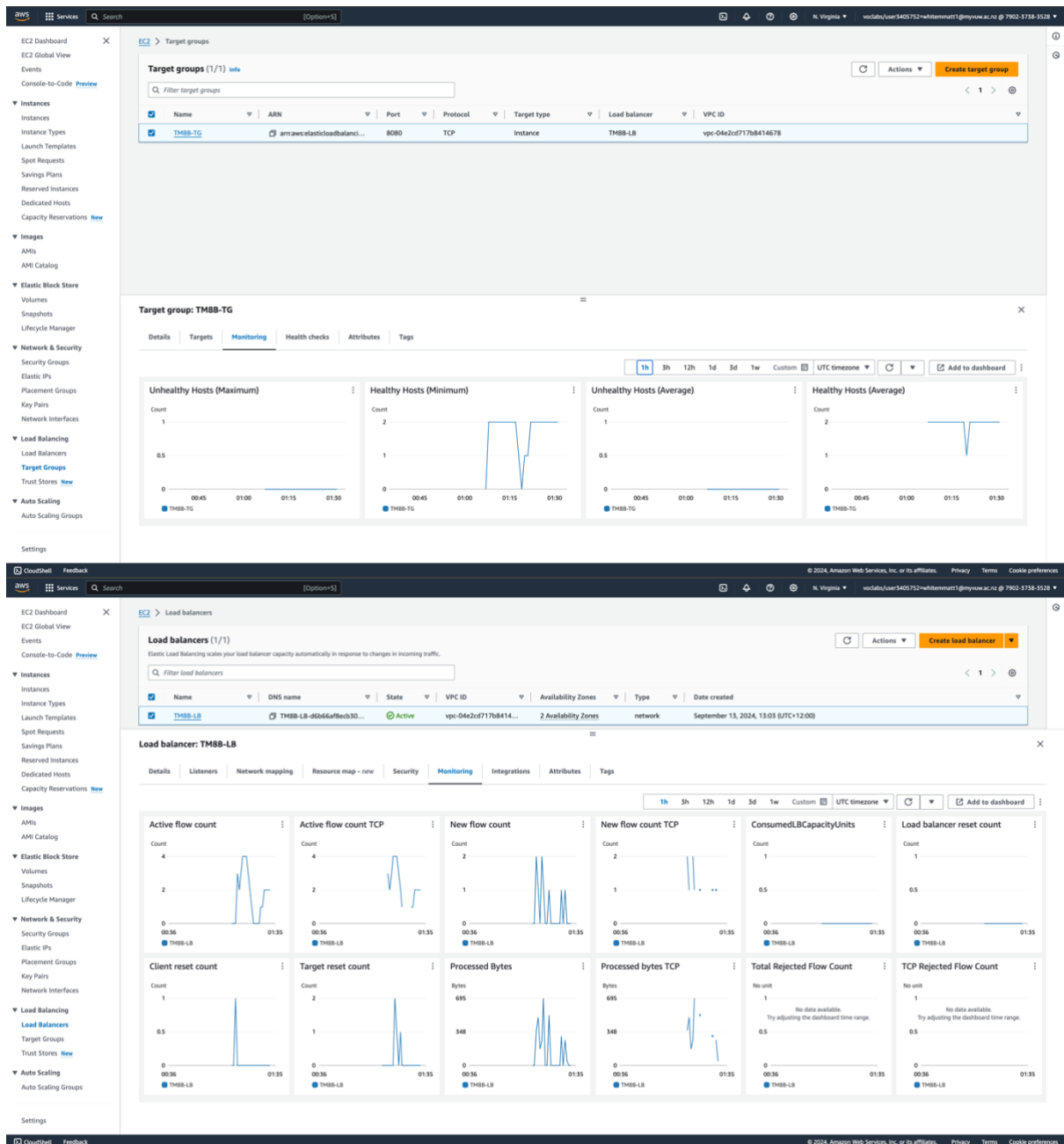
Load balancer: TMBB-LB

Details | Listeners | Network mapping | Resource map - new | Security | Monitoring | Integrations | Attributes | Tags

Listeners (1)

Filter listeners

| Protocol/Port | Default action | ARN | Security policy | Default SSL/TLS certificate | ALPN policy | Tags |
|---------------|------------------------------------|-----|-----------------|-----------------------------|-------------|------|
| TCP/8080 | Forward to target group TMBB-TG | ARN | Not applicable | Not applicable | None | Tags |



The first two screenshots show that for some reason the target group didn't have an associated load balancer to it, even though checking the load balancer it got forwarded to the target group so I didn't get any monitoring for what was previously done. So I had to manually associate the load balancer and re run some of the experiments to get data.

I changed the desired from 2 to 1 and then back to 2 and it shows that in the monitoring of the target groups, meanwhile in the load balancer monitoring it showed my old and new experiments in where I increased the max to 4 and back down to 3, you can see that in the number of connections and the amount of data being processed, it also worked fine when I increased the max to 4 when you said I shouldn't 😊

The target group monitoring shows me how many healthy instances are running while the load balancer monitoring shows how its handling the traffic from the client. I think also when I t was dropping to zero was when I was terminating the instances.