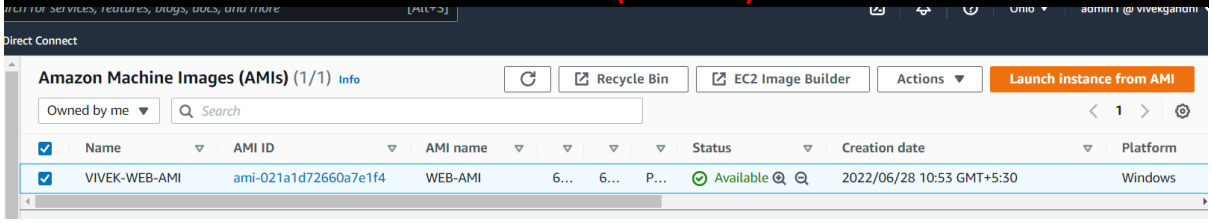
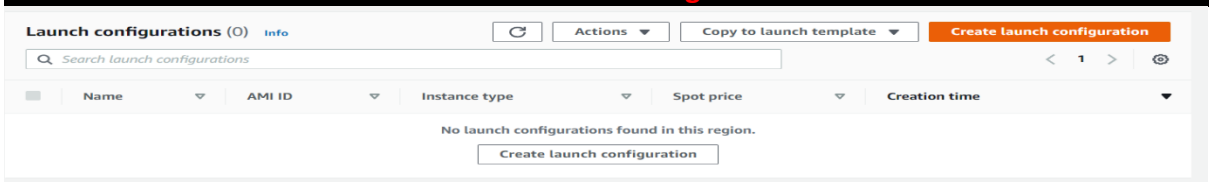
Auto Scaling

Create Auto scaling

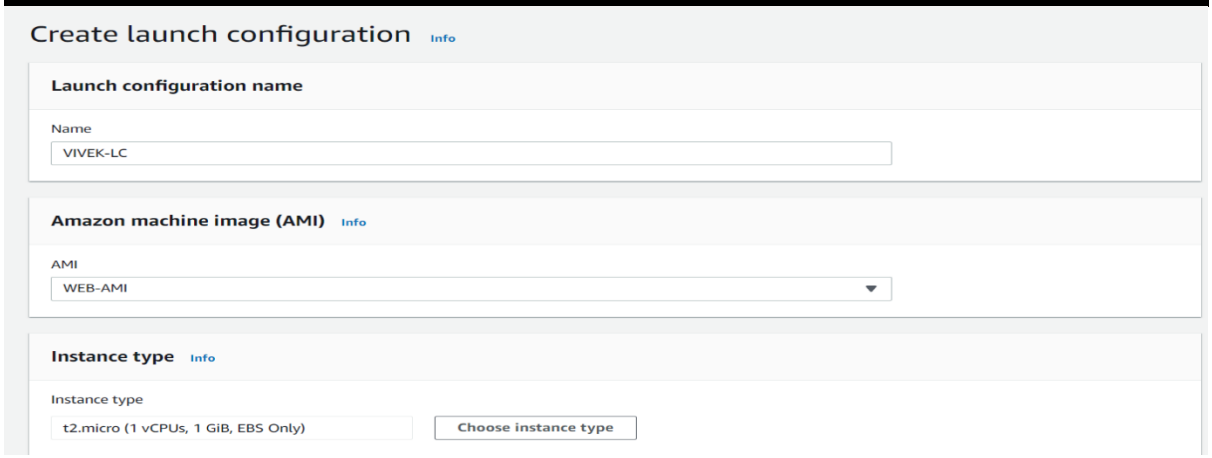
Create AMI (install IIS)



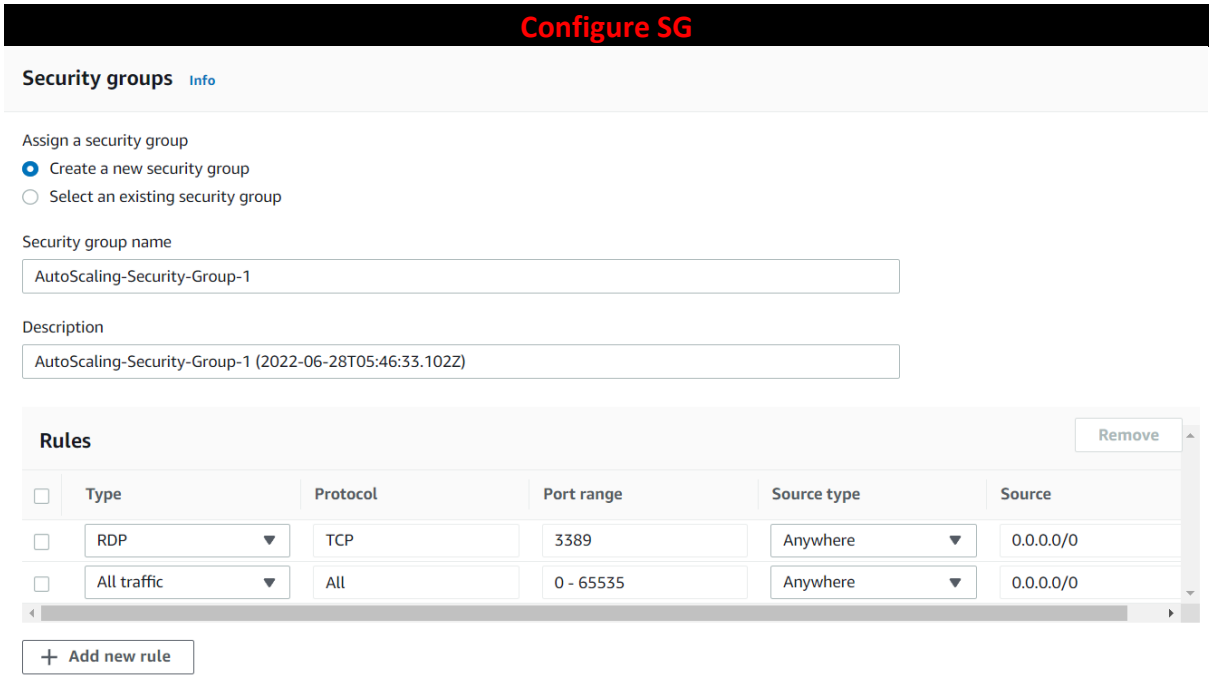
Click to Launch configuration



Insert name & select AMI & select instance

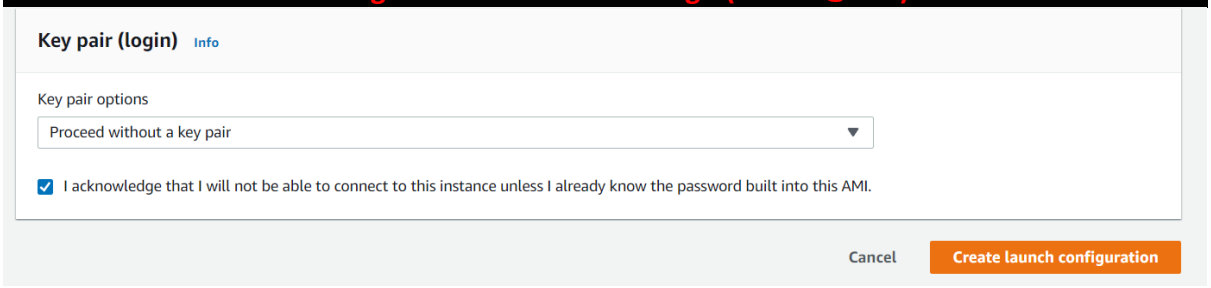


Configure SG

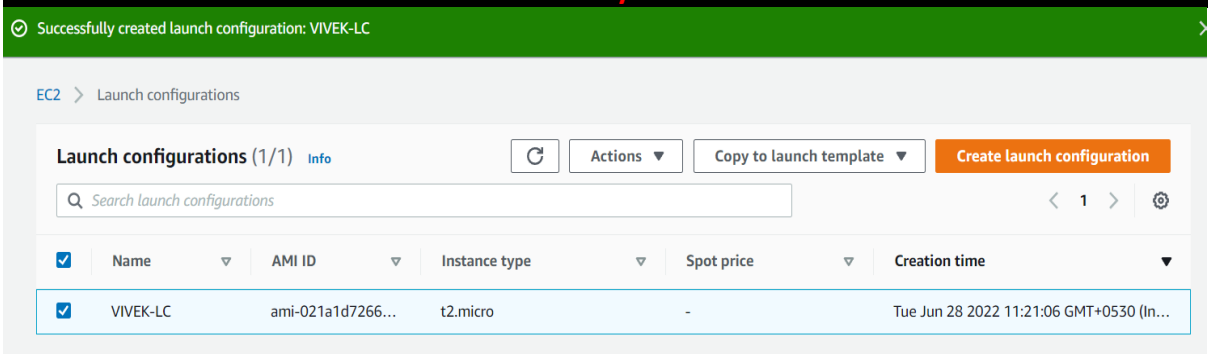


Auto Scaling

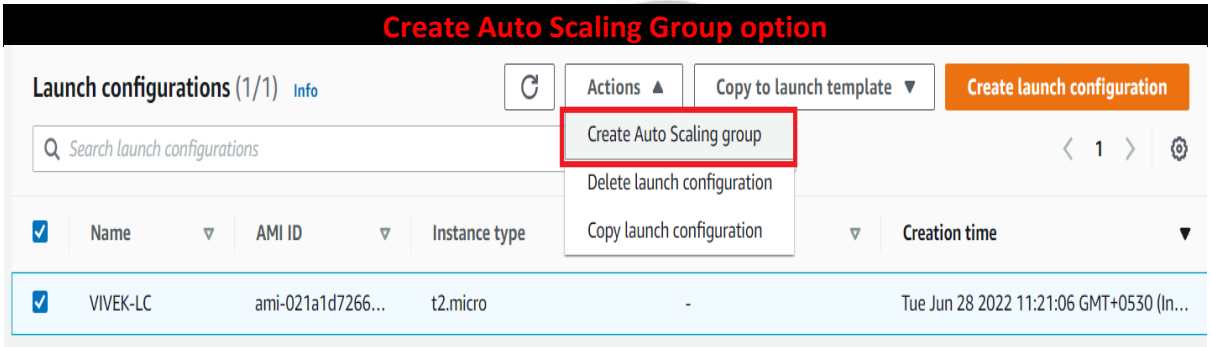
Configure AMI Password assign (Admin@123)



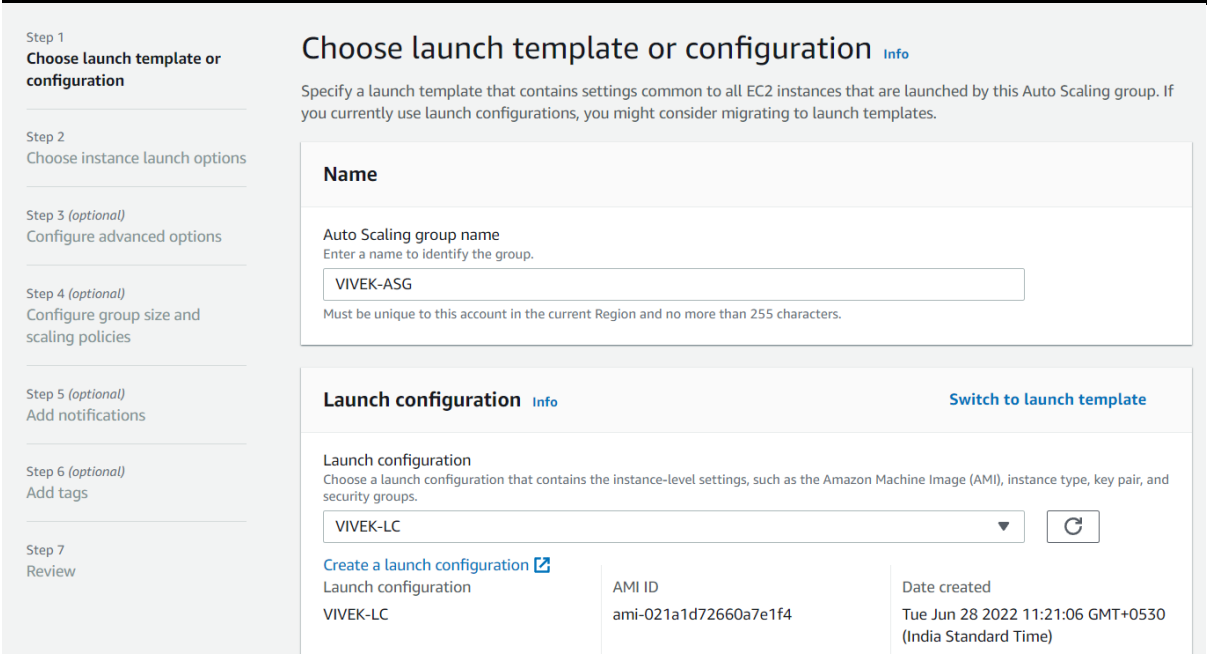
Successfully created



Create Auto Scaling Group option

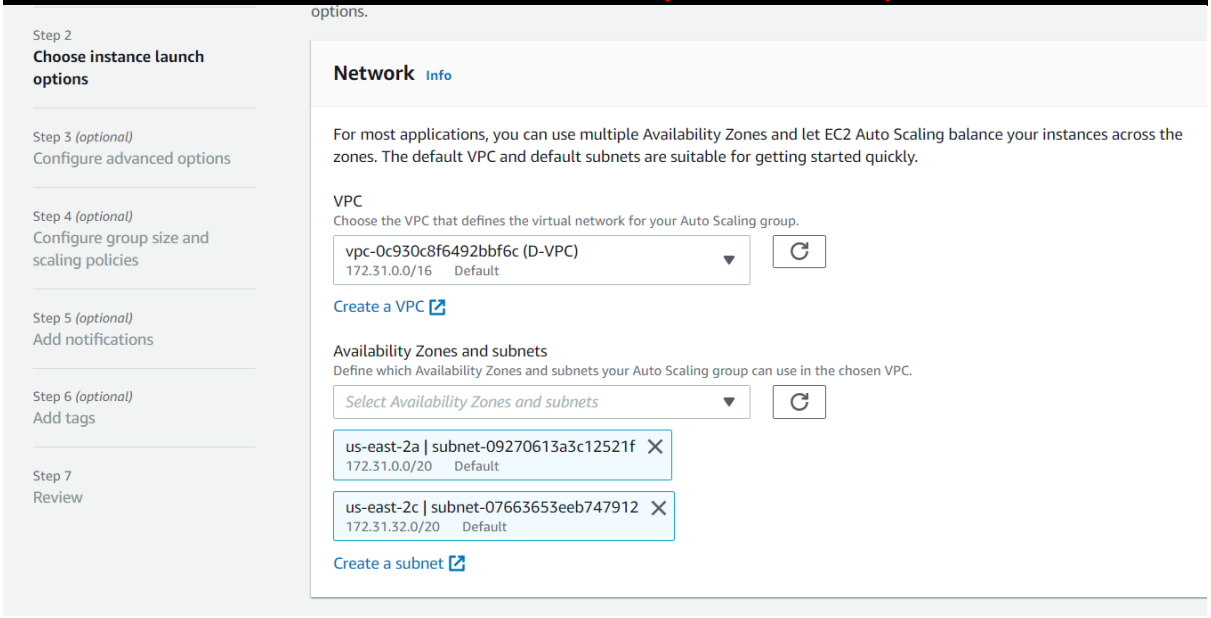


Add name and select LC

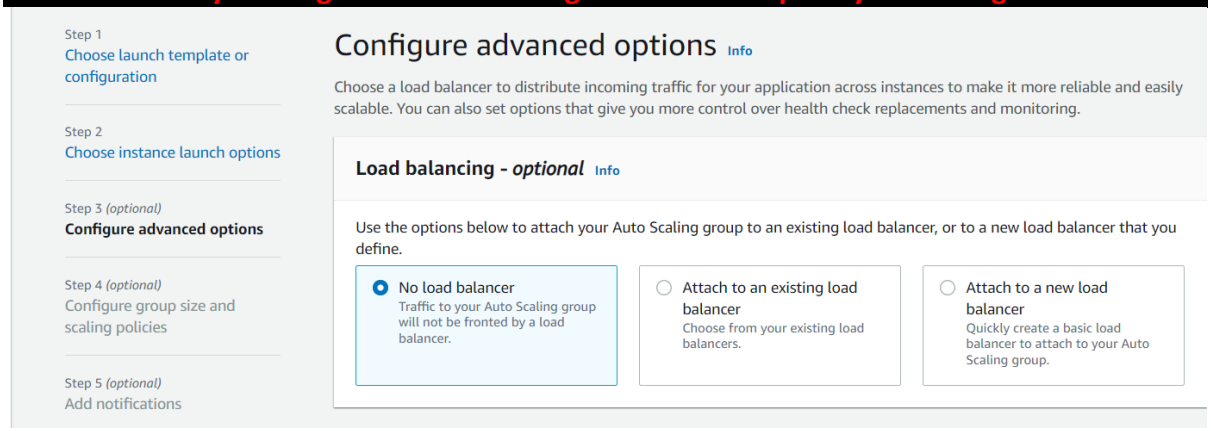


Auto Scaling

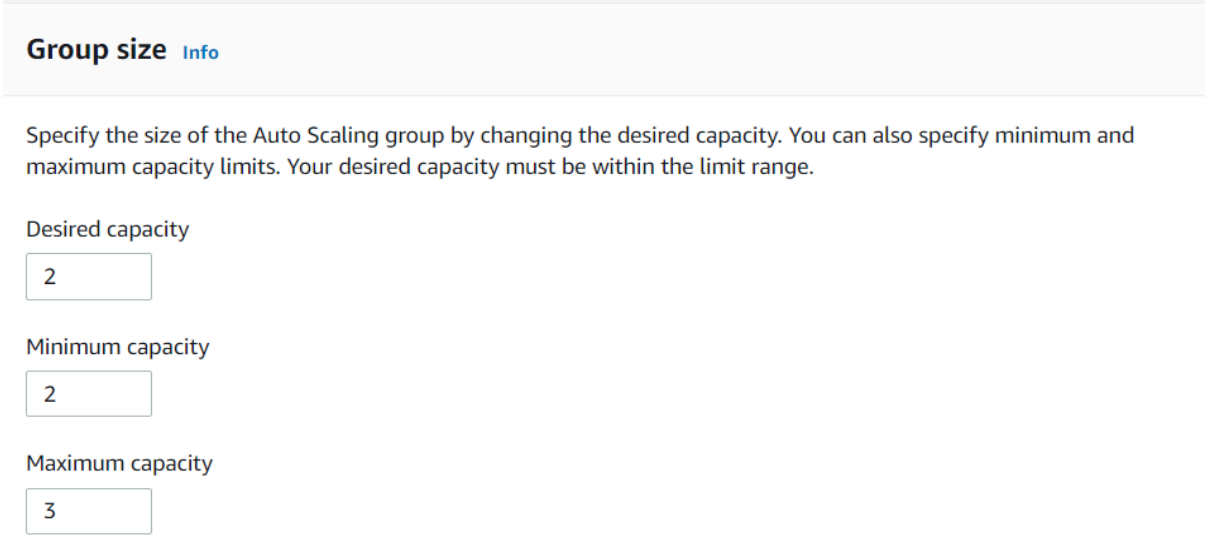
Select VPC and Select AZs (min 2 AZs select)



If you assign direct LB so assign here but temporary I not assign



Select instance capacity



CREATED BY:- VIVEK GANDHI

Auto Scaling

Assign tracking policy if my cpu 30 used than create 1 instance create automatic

Scaling policies - *optional*

Choose whether to use a scaling policy to dynamically resize your Auto Scaling group to meet changes in demand. Info

- (●) Target tracking scaling policy
  Choose a desired outcome and leave it to the scaling policy to add and remove capacity as needed to achieve that outcome.
- ( ) None

Scaling policy name

vivek tracking

Metric type

Average CPU utilization

Target value

30

Instances need

10 seconds warm up before including in metric

[ ] Disable scale in to create only a scale-out policy

Successfully create

Auto Scaling groups (1/1)

Edit | Delete | Create an Auto Scaling group

Search your Auto Scaling groups

1

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Av
VIVEK-ASG	VIVEK-LC	2	-	2	2	3	us

See activity

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Avail
VIVEK-ASG	VIVEK-LC	2	-	2	2	3	us-ea

Activity history (2)

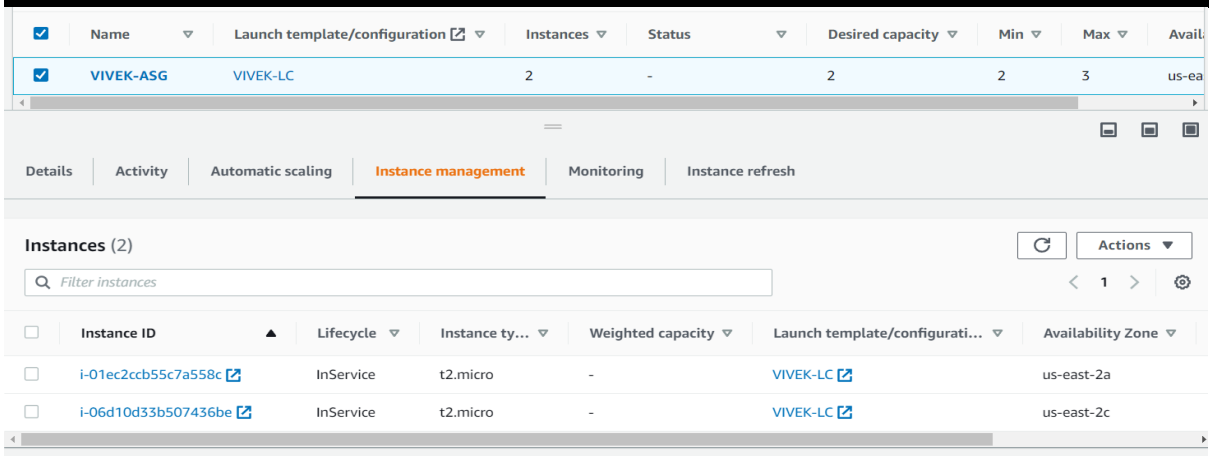
Filter activity history

1

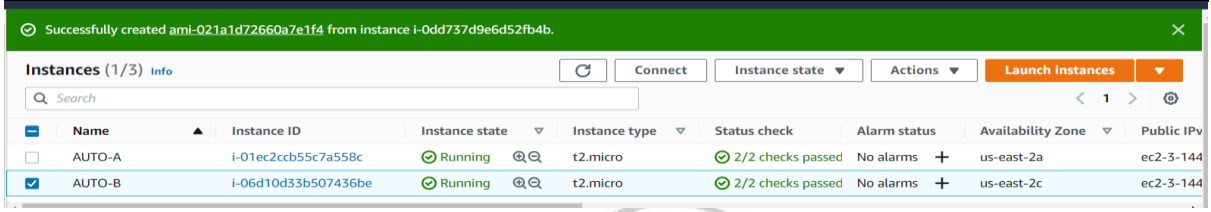
Status	Description	Cause	Start time	En
Successful	Launching a new EC2 instance: i-01ec2ccb55c7a558c	At 2022-06-28T06:02:07Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-06-28T06:02:08Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 June 28, 11:32:10 AM +05:30	20 28 AM
Successful	Launching a new EC2 instance: i-06d10d33b507436be	At 2022-06-28T06:02:07Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 2. At 2022-06-28T06:02:08Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.	2022 June 28, 11:32:10 AM +05:30	20 28 AM

Auto Scaling

See create 2 instances

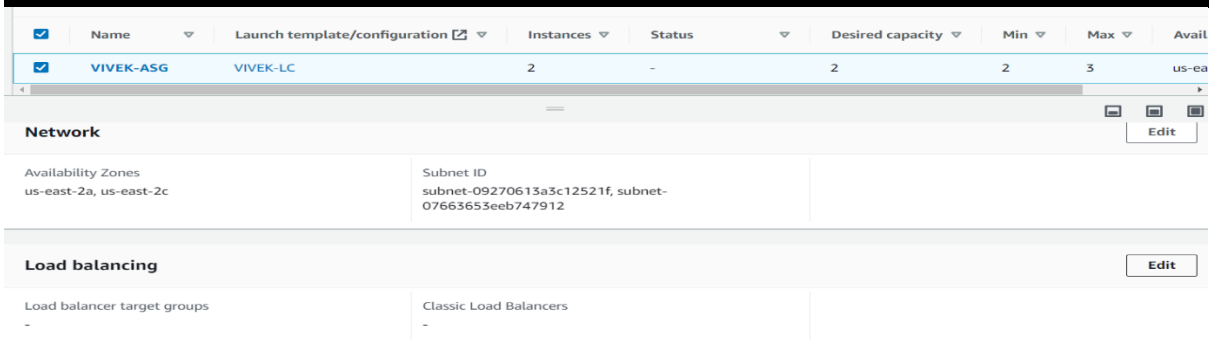


Created instance

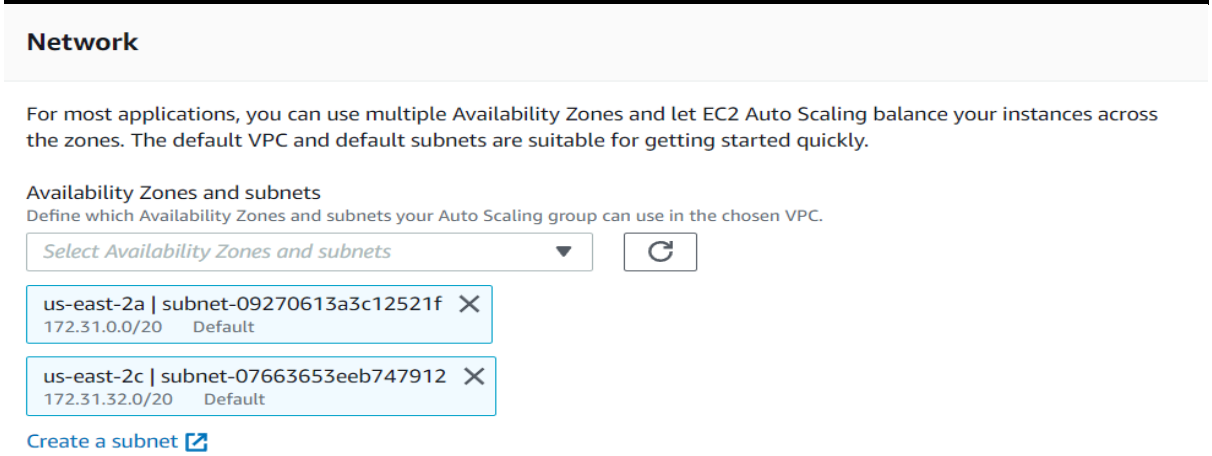


Add LB in Auto scale

Edit LB



Same network selects



CREATED BY:- VIVEK GANDHI

Auto Scaling

CONFIGURATION

Load balancing - *optional*

Load balancers

- [ ] Application, Network or Gateway Load Balancer target groups
- [ ] Classic Load Balancers

Create and attach new load balancers

New load balancer: VIVEK-LB — Remove

Load balancer type
Choose from the load balancer types offered below. Type selection cannot be changed after the load balancer is created. If you need a different type of load balancer than those offered here, visit the Load Balancing console.

- (•) Application Load Balancer — HTTP, HTTPS
- ( ) Network Load Balancer — TCP, UDP, TLS

Load balancer name
Name cannot be changed after the load balancer is created.

VIVEK-LB

Load balancer scheme
Scheme cannot be changed after the load balancer is created.

- ( ) Internal
- (•) Internet-facing

Select LB NETWORK AND AZs

Network mapping
Your new load balancer will be created using the same VPC and Availability Zone selections as your Auto Scaling group. You can select different subnets and add subnets from additional Availability Zones.

VPC
vpc-0c930c8f6492bbf6c D-VPC

Availability Zones and subnets
You must select a single subnet for each Availability Zone enabled. Only public subnets are available for selection to support DNS resolution.

- [x] us-east-2a — subnet-09270613a3c12521f
- [x] us-east-2c — subnet-07663653eeb747912
- [ ] us-east-2b — Select a subnet

Listeners and routing
If you require secure listeners, or multiple listeners, you can configure them from the Load Balancing console after your load balancer is created.

Protocol	Port	Default routing (forward to)
HTTP	80	Create a target group

New target group name
An instance target group with default settings will be created.

VIVEK-LB

Auto update instance

Target groups (1/1) Info — Actions — Create target group

Search or filter target groups

Name	ARN	Port	Protocol	Target type	Load balancer
VIVEK-LB	arn:aws:elasticloadbalancin…	80	HTTP	Instance	VIVEK-LB

Target group: VIVEK-LB

Registered targets (2) — Deregister — Register targets

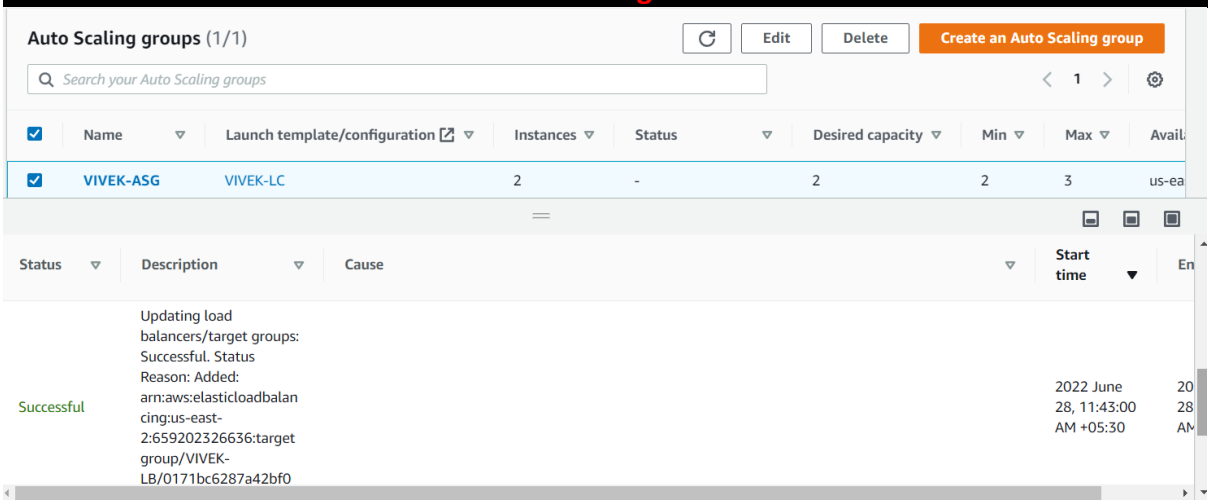
Filter resources by property or value

Instance ID	Name	Port	Zone	Health status	Health status details
i-06d10d33b507436be	vivek-ASG	80	us-east-2c	healthy	
i-01ec2ccb55c7a558c	AUTO-A	80	us-east-2a	healthy	

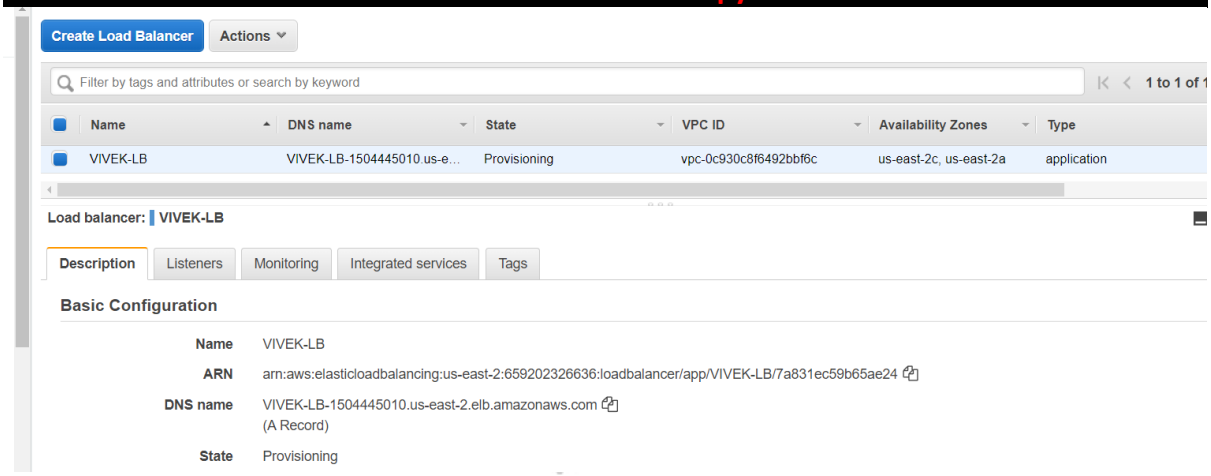
CREATED BY:- VIVEK GANDHI

Auto Scaling

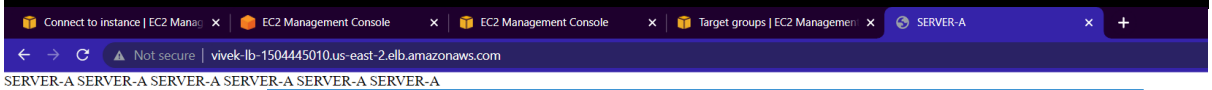
See log



Check LB work or not copy DNS

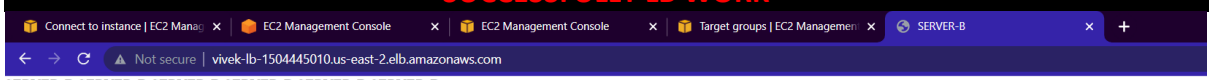


BROWSE DNS



SERVER-A SERVER-A SERVER-A SERVER-A SERVER-A SERVER-A

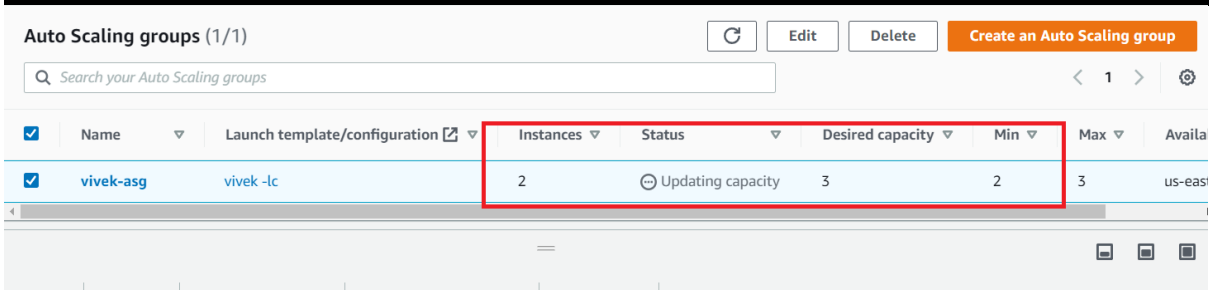
SUCCESSFULLY LB WORK



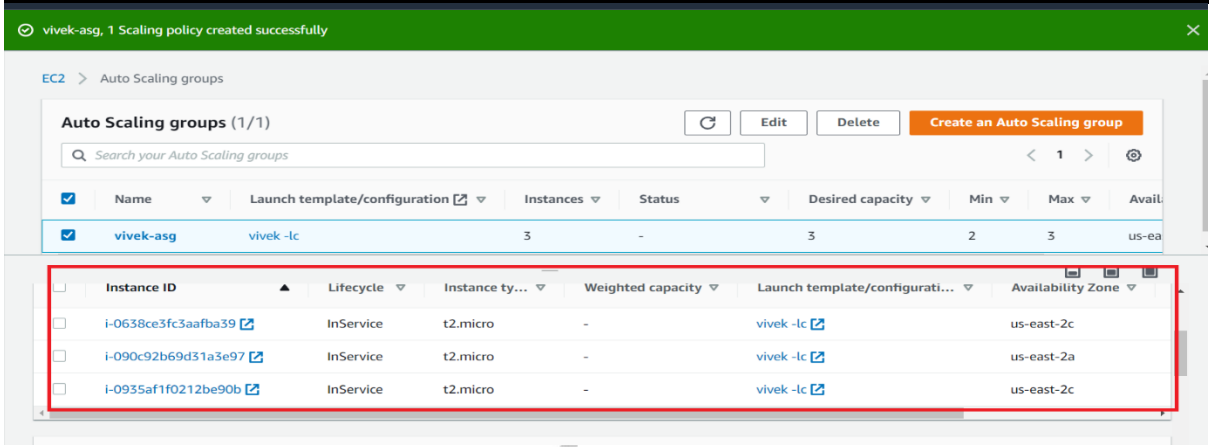
SERVER-B SERVER-B SERVER-B SERVER-B SERVER-B SERVER-B

Auto Scaling

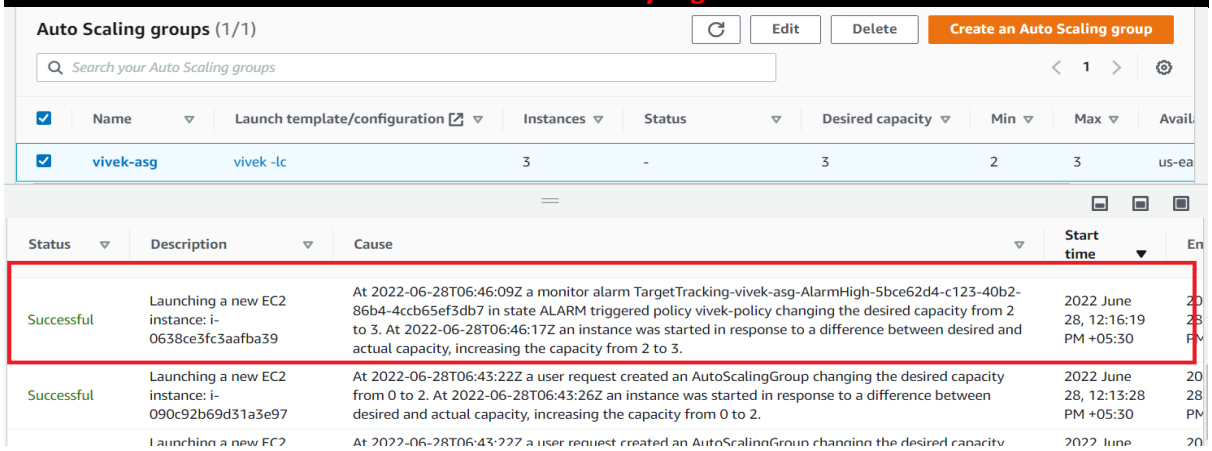
If load increases then automatic instance create



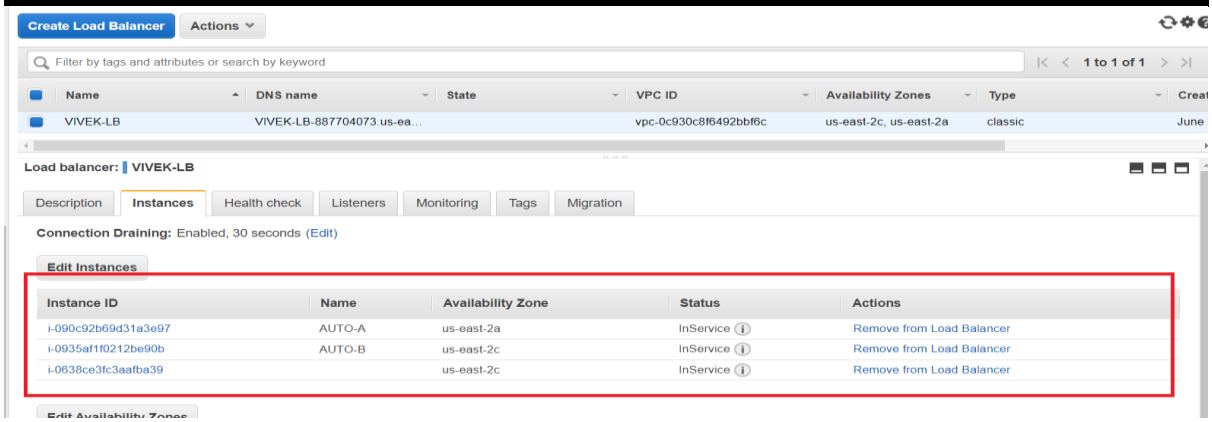
Also add instance see



See activity log

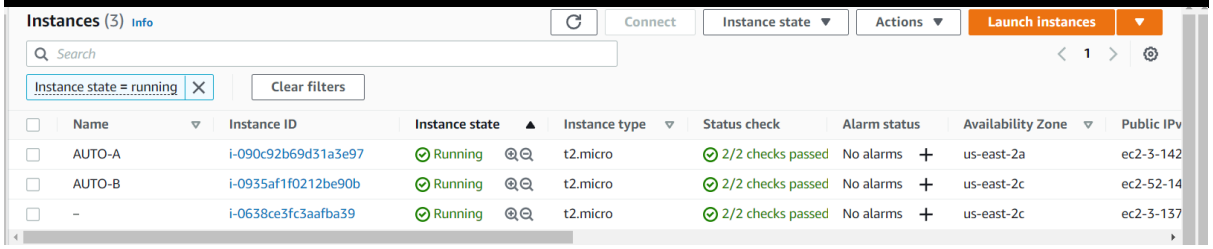


Also add LB

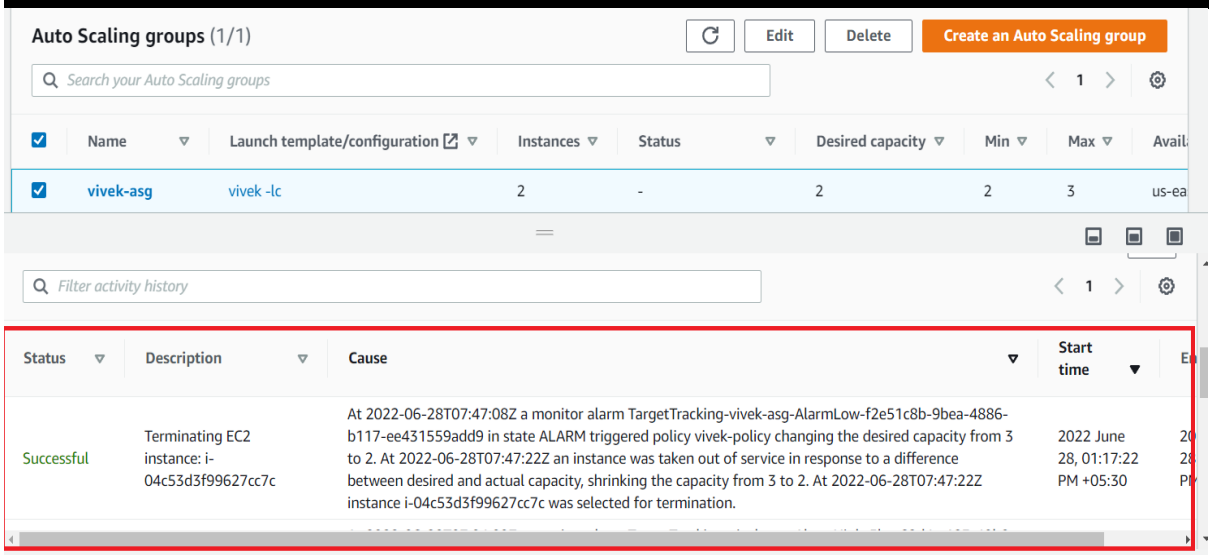


Auto Scaling

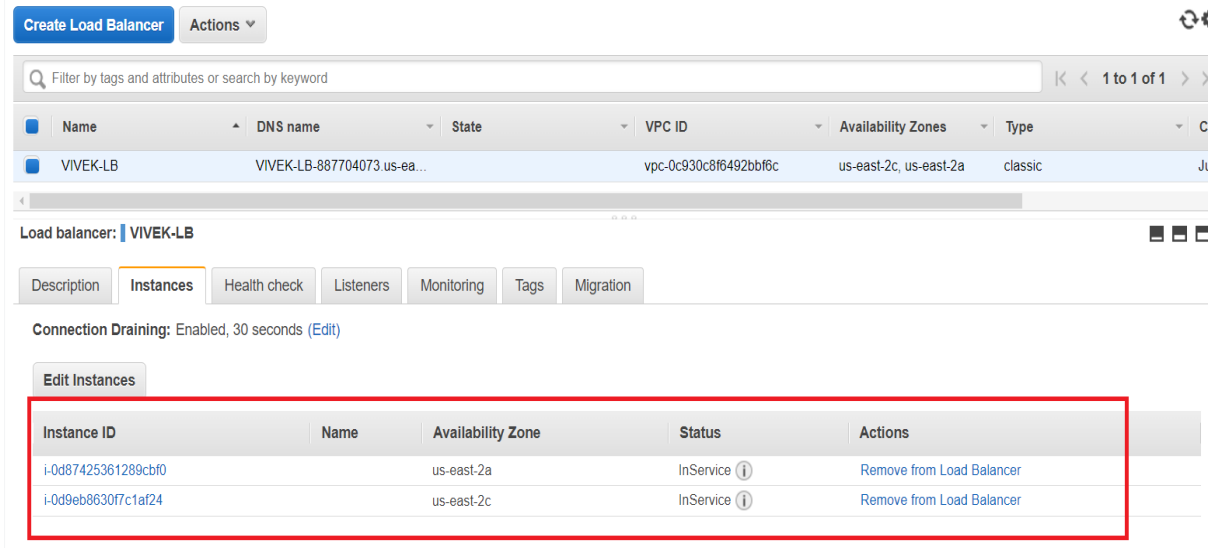
INSTANCE CREATE SUCCESSFULLY



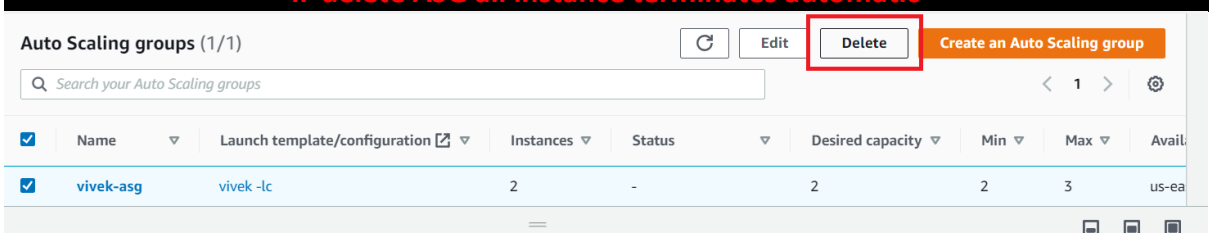
THEN LOAD decrees automatic instance removes



Also remove in LB

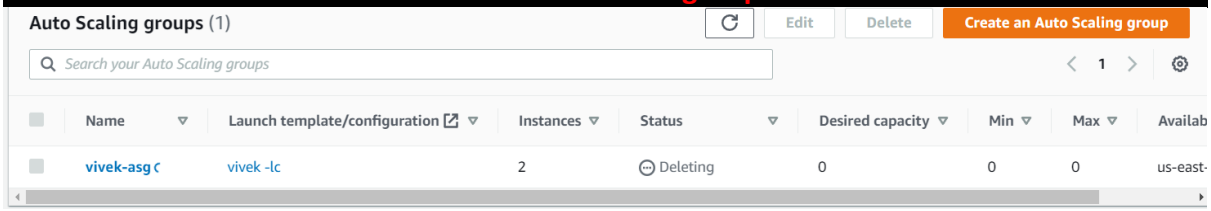


IF delete ASG all instance terminates automatic

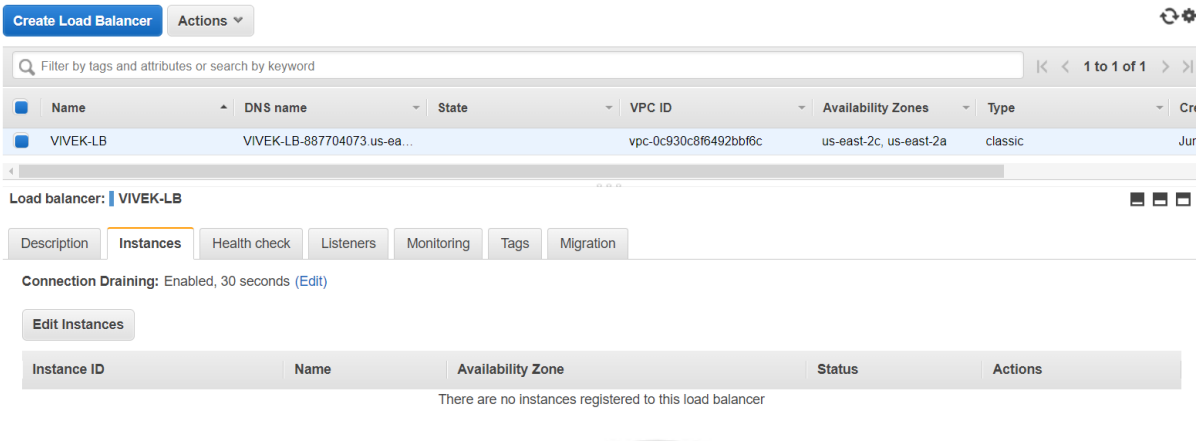


Auto Scaling

See all instance and groups 0



In LB all instance removes



All instance terminates