Roll No: 20BCE204 Name: Dhyan Patel

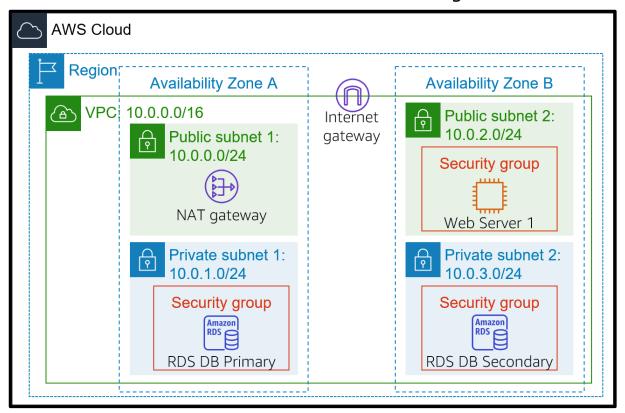
Course: Cloud Computing

**Practical No:** 6

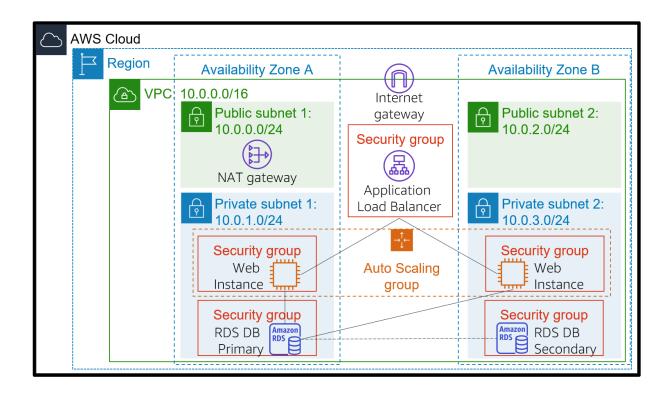
**Aim:** Working with an IaaS Cloud Computing: Using AWS (Amazon Web Services) to understating the following concept. Do load balancing in amazon EC2.

**Elastic Load Balancing**: automatically distributes incoming application traffic across multiple Amazon EC2 instances. It enables you to achieve fault tolerance in your applications by seamlessly providing the required amount of load balancing capacity needed to route application traffic.

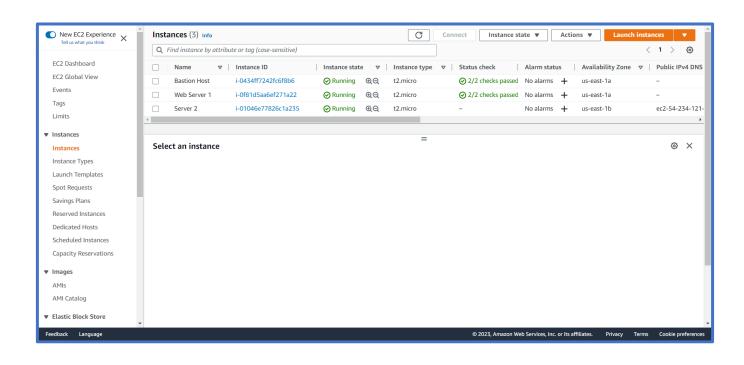
**Auto Scaling:** helps you maintain application availability and allows you to scale your Amazon EC2 capacity out or in automatically according to conditions you define. You can use Auto Scaling to help ensure that you are running your desired number of Amazon EC2 instances. Auto Scaling can also

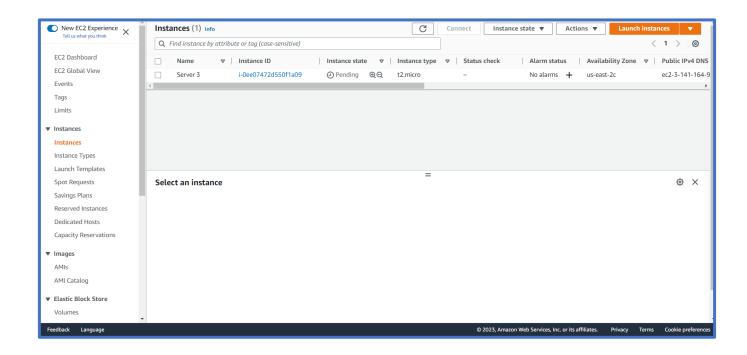


automatically increase the number of Amazon EC2 instances during demand spikes to maintain performance and decrease capacity during lulls to reduce costs. Auto Scaling is well suited to applications that have stable demand patterns or that experience hourly, daily, or weekly variability in usage.

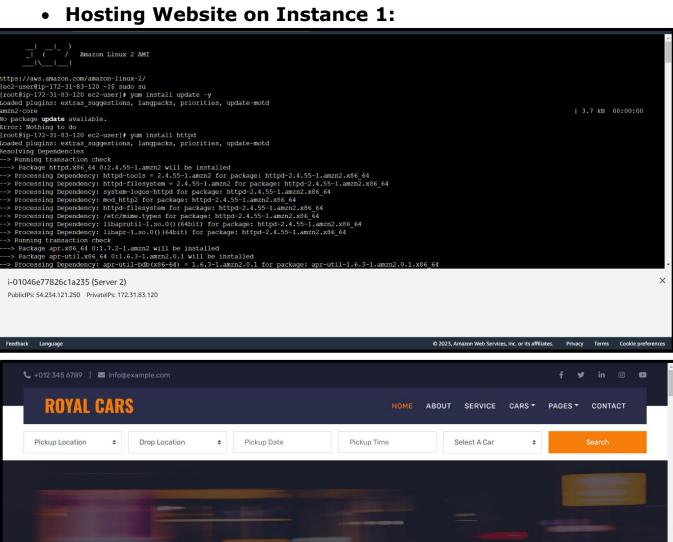


• Create two instances in different region:

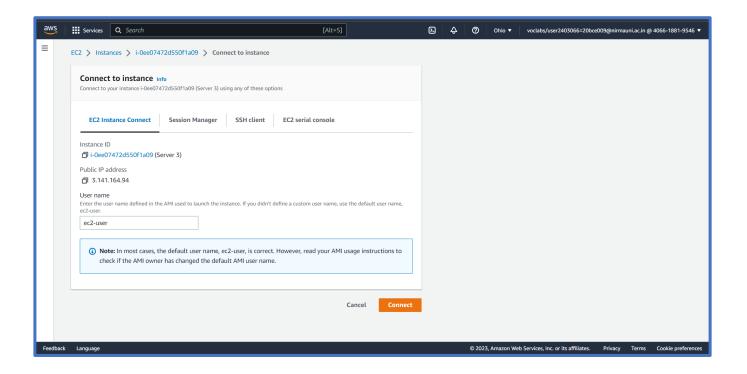




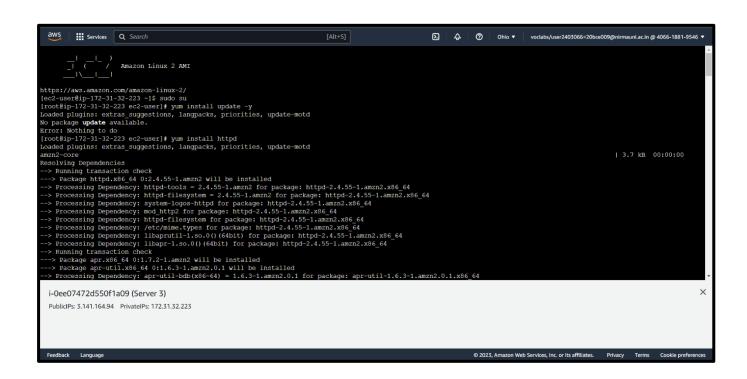
=	EC2 > Instances > i-01046e77826c1a235 > Connect to instance			
	Connect to instance Info Connect to your instance i-01046e77826c1a235 (Server 2) using any of these options			
	EC2 Instance Connect Session Manager SSH client EC2 serial console			
	Instance ID			
	☐ i-01046e77826c1a235 (Server 2)			
	Public IP address			
	<b>5</b> 54.234.121.250			
	User name  Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, etc2-user.			
	ec2-user			
	Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.			
	Cancel Connect			
Feedback	Language	© 2023, Amazon Web Services, Inc. or its affiliates.	Privacy Ter	ns Cookie preferences

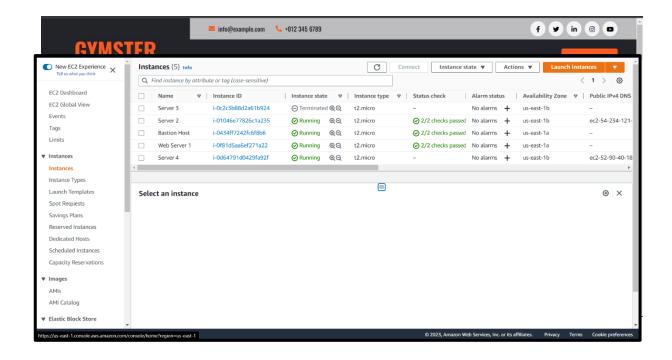


Best Rental Cars In Your Location



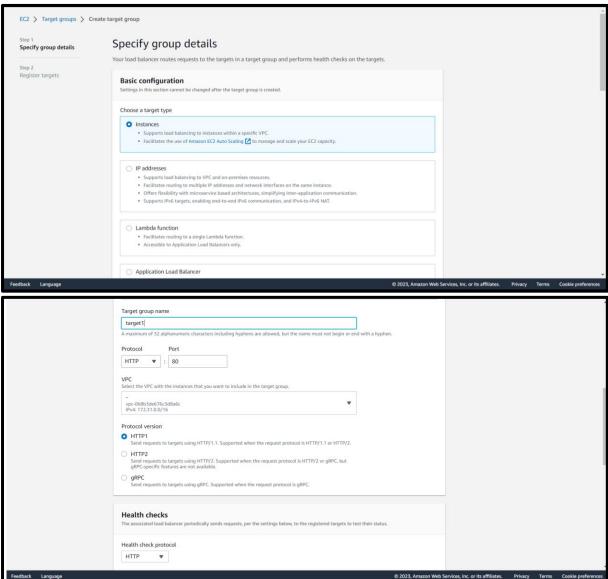
## Hosting Website on instance 2

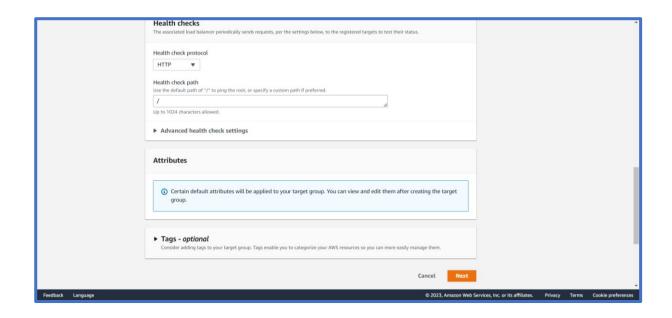




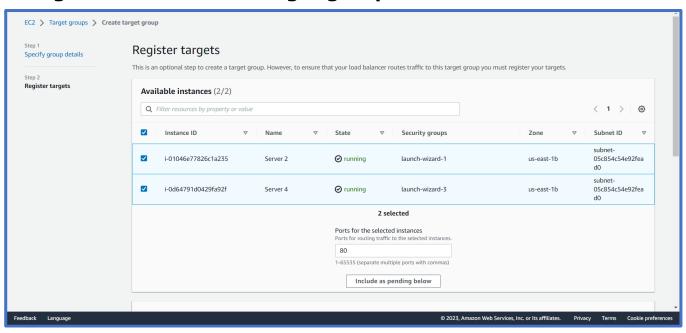
Create Target Group of Two Instances.

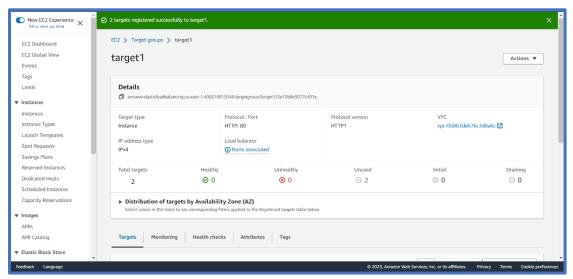




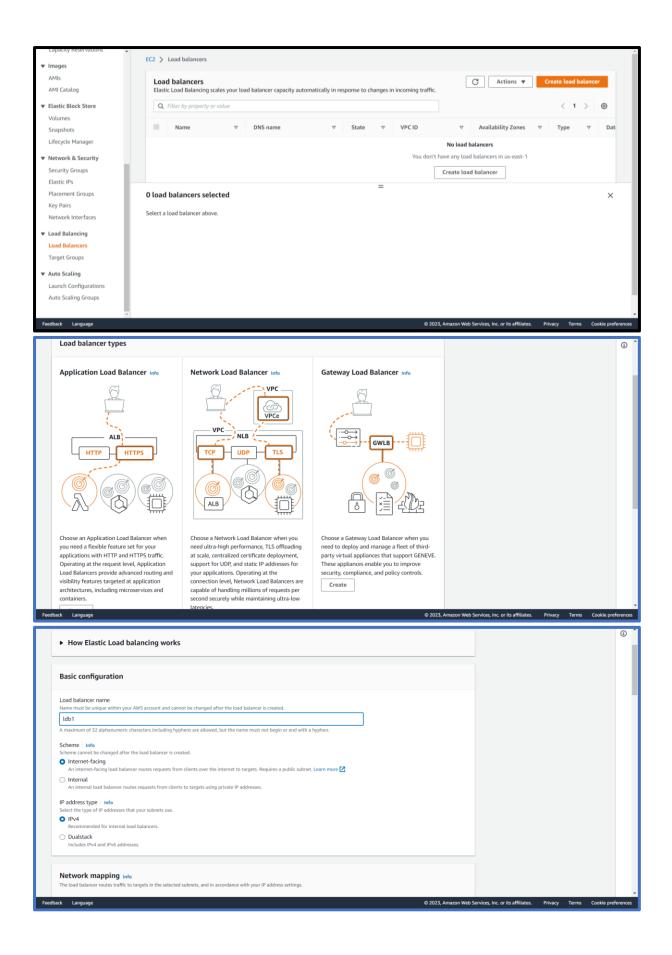


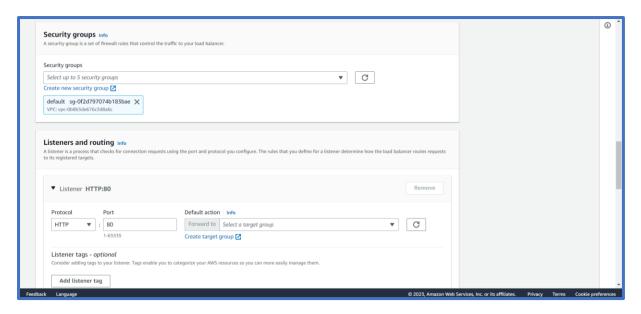
## Register Instances in target group.



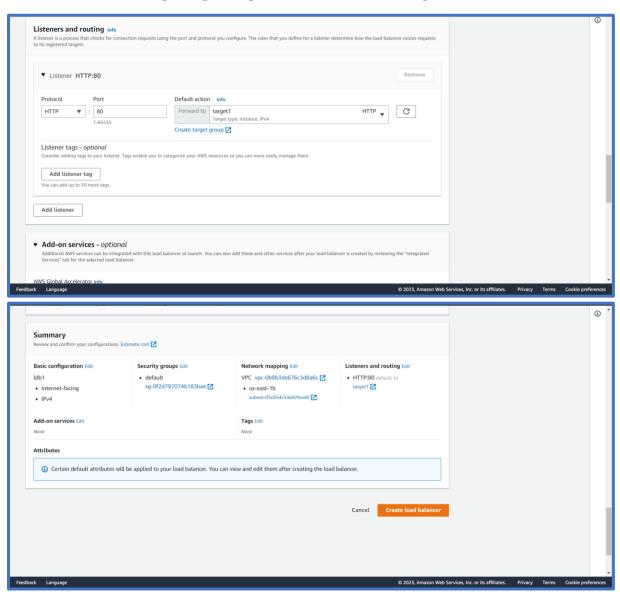


Create Load Balancer for the Target group according to type.

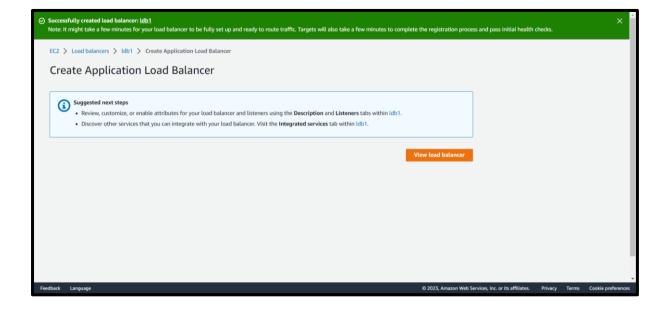


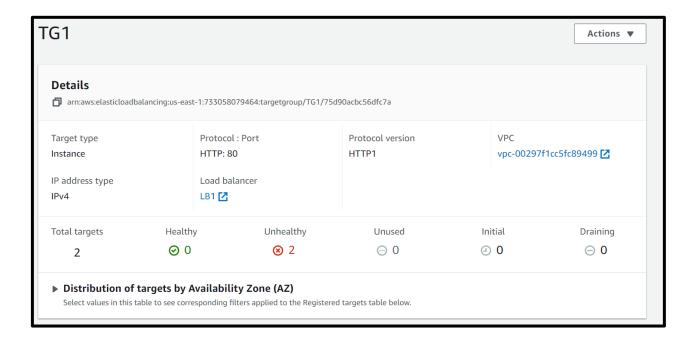


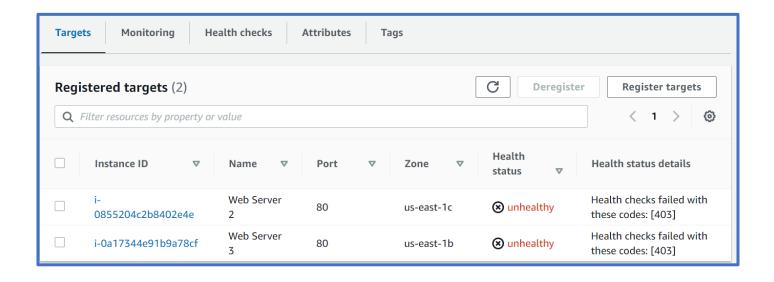
• Select Target group which is Made previous.



## • Load balancer is created.







**Conclusion**: In this practical identifying how load balancer work, balance load b/w two instances. **Elastic Load Balancing** automatically distributes incoming application traffic across multiple Amazon EC2 instances. It enables you to providing the required amount of load balancing capacity needed to route application traffic.