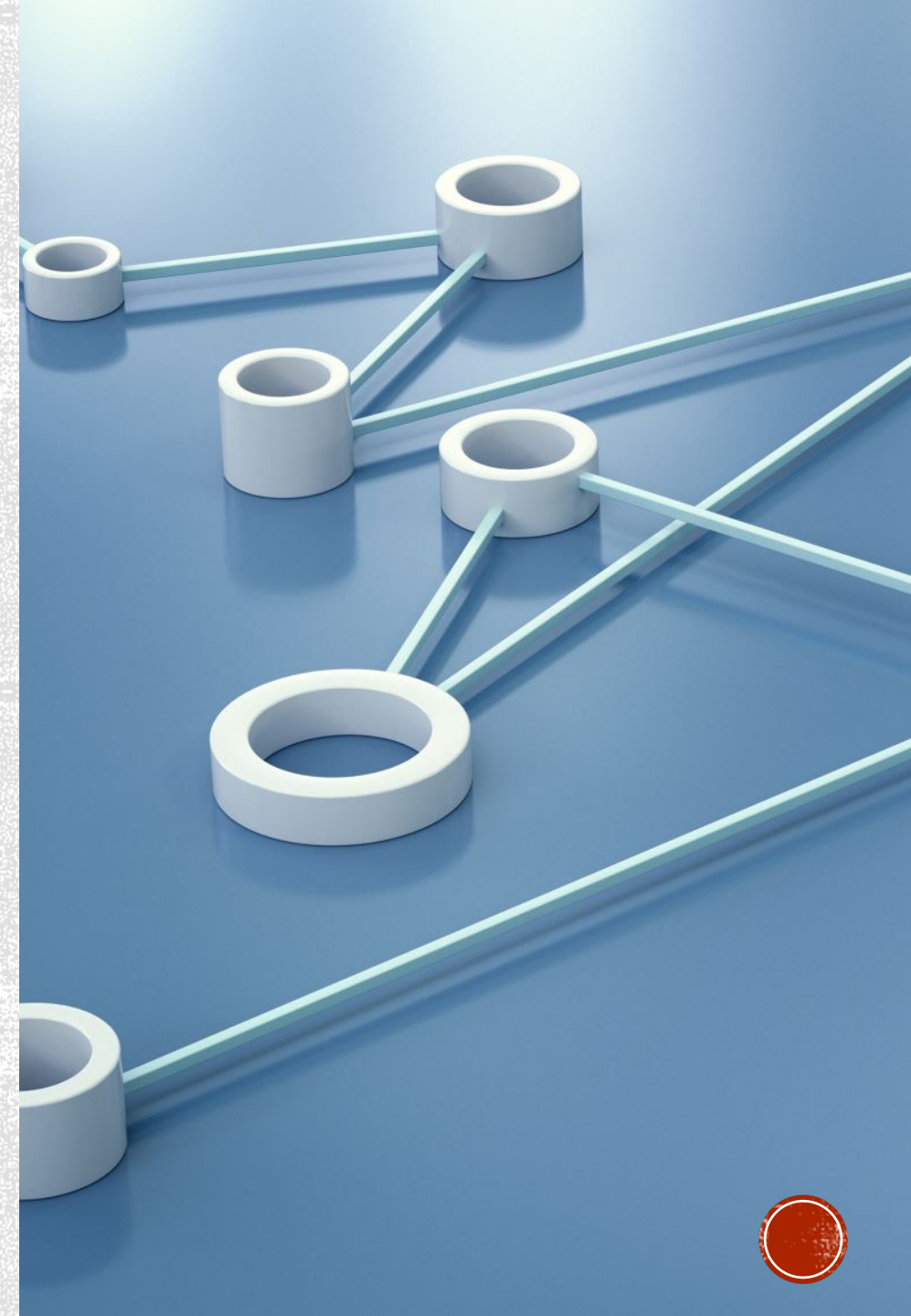# AWS GROUP PROJECT

THE PROCESS

- Hello, everyone! These are the PowerPoint slides of my part of the group project where I've worked on creating an AWS web server, using services like EC2 Instance, Application Load Balancer, and a Target Group.

CREATING WEB PAGE

- Launched 2 EC2 Instances: MyEC2Server1 & MyEC2Server2.

- Configured the basics of creating ec2 instances including, enabled Auto-assign public ip, adding tags, creating a new security groups and adding the right ports. SSH, HTTP, HTTPS: source (Anywhere).

- In the user Data section added an HTML page served by Apache httpd webserver for both EC2Servers.

LOAD BALANCER

- created a Target Group and selected both instances to include the register targets.

- Created a Load Balancer and selected the ALB, Application Load Balancer.

- Configured the basics of creating ALB, like making sure its internet-facing, choosing IPV4, mapping all the AZ present, finally removing the default security group and adding the one I created in the EC2 security group.
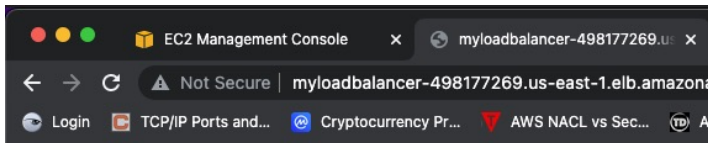
TESTING THE ELASTIC LOAD BALANCER

Welcome to GroupProject Server 1
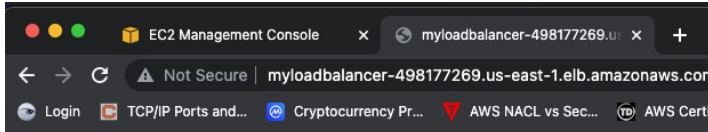
Welcome to GroupProject Server 2

- To test the Load Balancers working, make sure the Registered Targets are healthy.

- Then copy the DNS Name of the ALB and enter the address in the browser.

- You should see the index.html page content of web server 1 or web server 2.

- Refresh the page a few times to observe the index pages changing each time.