Elasticity and High Availability

- Due Oct 8 at 11:59pm
- Points 25
- Questions 2
- Available Oct 1 at 12am - Oct 8 at 11:59pm
- Time Limit None
- Allowed Attempts 3

Instructions

You are tasked to create an http load balancer (use ALB) with autoscaling function of virtual machines, which have nginx webserver (just like we did in class) installed. Follow the steps we talked about in class. You have 3 attempts, we will grade only the document you submitted last.

These are the requirements. If names/requirements are not stated, you can select your own.

- Create a custom VPC in us-east1 and name it yourlastname-vpc
- Create 2 subnets in the VPC, each in different AZ. Define each subnet with the minimum block that can handle **20 hosts**. Both are public subnets, don't forget IG and RT. The 2 subnets are for load balancing redundancy (improve availability). Put Auto-scaling group in just 1 of the subnets.
- Security group of the EC2s: allow ping, http, and ssh from everywhere
- Add the following in your nginx webserver:
  - "Your first and last name"
- Need nginx to start on boot
- Machine type: T2-micro
- OS: ubuntu
- AMI name: yourlastname-AMI
- Minimum instance: 2
- Desired 2
- Maximum instance: 4
- Use Average CPU Utilization : 60% for scaling policy
- Application Load balancer name: yourlastname-loadbalancer

This quiz was locked Oct 8 at 11:59pm.

Attempt History

	Attempt	Time	Score
KEPT	**Attempt 2**	84 minutes	25 out of 25
LATEST	**Attempt 2**	84 minutes	25 out of 25
	Attempt 1	1,447 minutes	5 out of 25 *

* Some questions not yet graded

Quiz results are protected for this quiz and are not visible to students.

ⓘ Correct answers are hidden.

Score for this attempt: 25 out of 25