

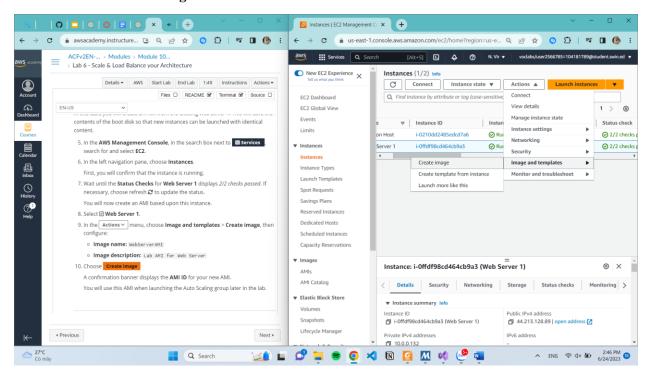
ACF Lab 6: Scale and Load Balance your Architecture

COS 20019- Cloud Computing Architecture

Nguyen Manh Dung 24/6/2023 This is all my step to finish ACF Lab 6, with requirements beside the screenshotted.

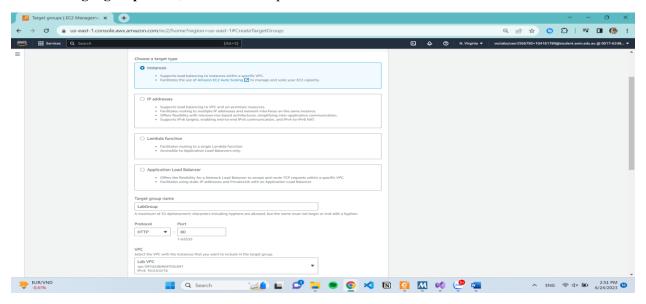
Task 1: Create an AMI for Auto Scaling

- Select Web Server 1.
- In the Actions menu, choose Image and templates > Create image, then configure:
 - o Image name: WebServerAMI
 - o **Image description**: Lab AMI for Web Server
- Choose Create image



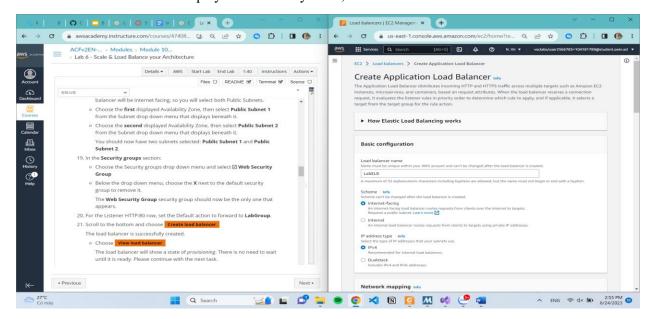
Task 2: Create a Load Balancer

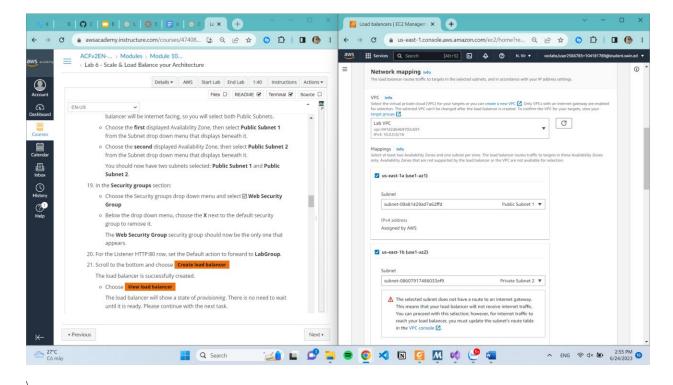
- Choose Create target group
- Choose a target type: Instances
- Target group name, enter: LabGroup

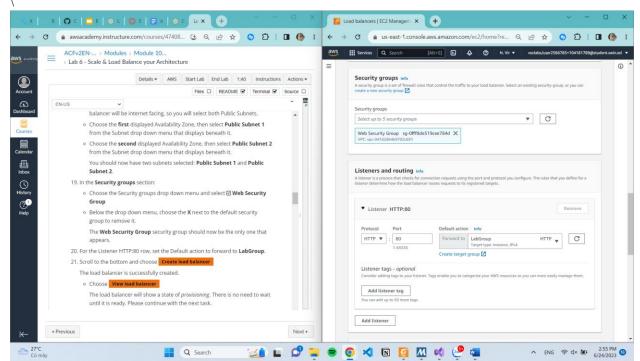


Create load balancer

- Load balancer name, enter: LabELB
- For **VPC**, choose **Lab VPC**
- Choose the first displayed Availability Zone, then select Public Subnet 1
- Choose the **second** displayed Availability Zone, then select **Public Subnet** 2







Task 3: Create a Launch Template and an Auto Scaling Group

Launch template name: LabConfig

Under **Auto Scaling guidance**, select *Provide guidance to help me set up a template that I can use with EC2 Auto Scaling*

Amazon Machine Image (AMI): choose Web Server AMI

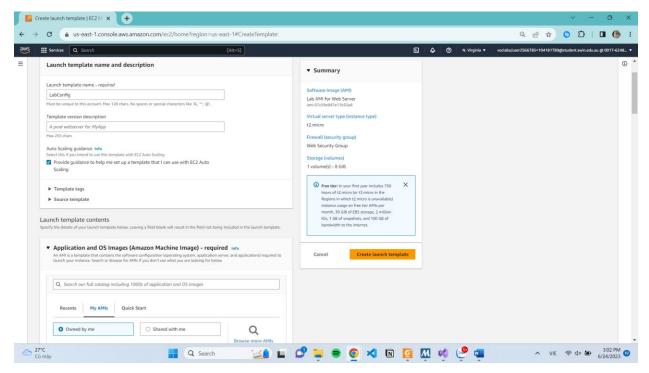
Instance type: choose t2.micro **Key pair name**: choose vockey

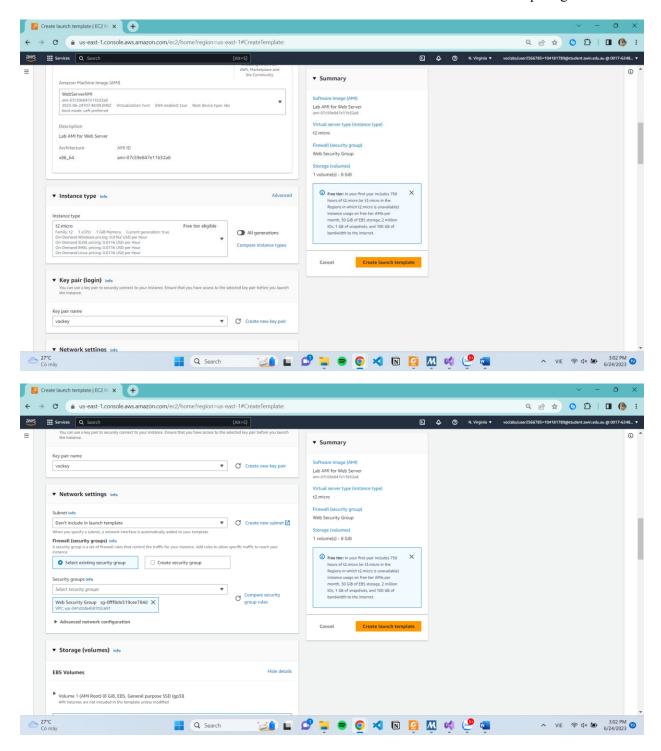
Firewall (security groups): choose Select existing security group

Security groups: choose Web Security Group

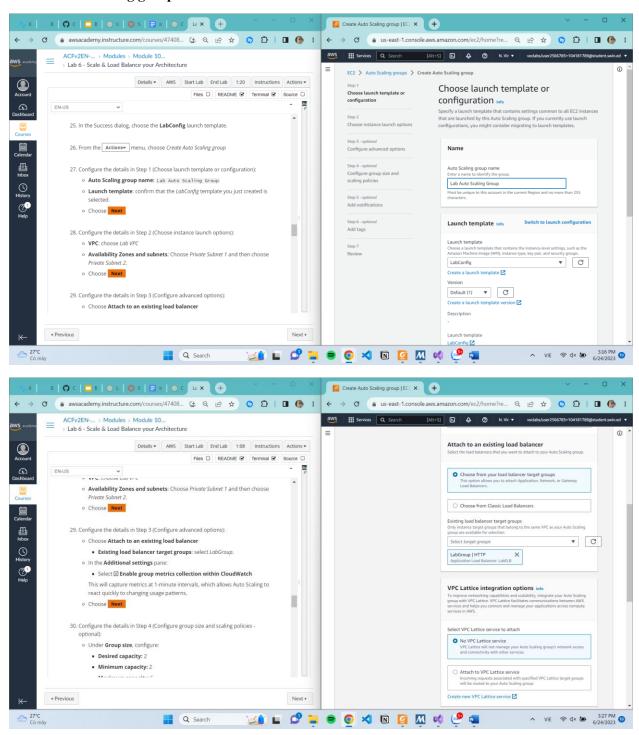
Scroll down to the **Advanced details** area and expand it.

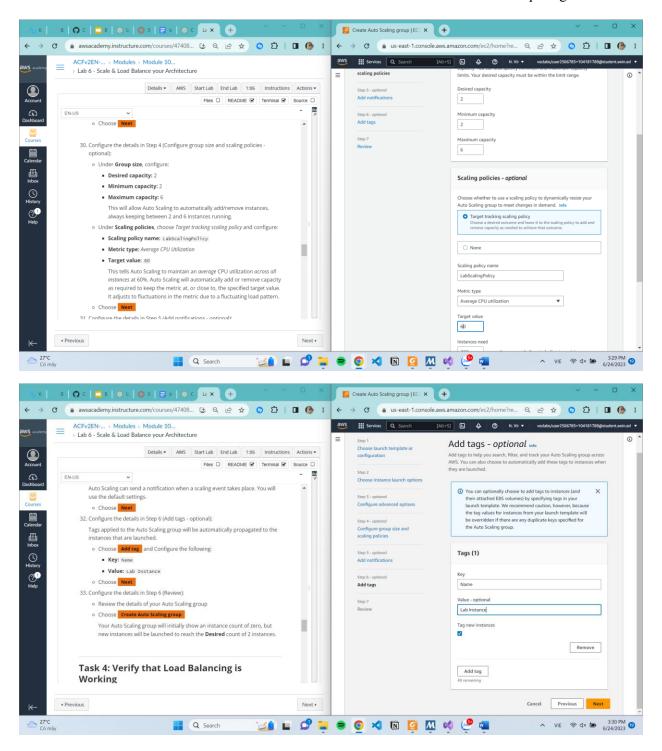
Scroll down to the Detailed CloudWatch monitoring setting. Select Enable



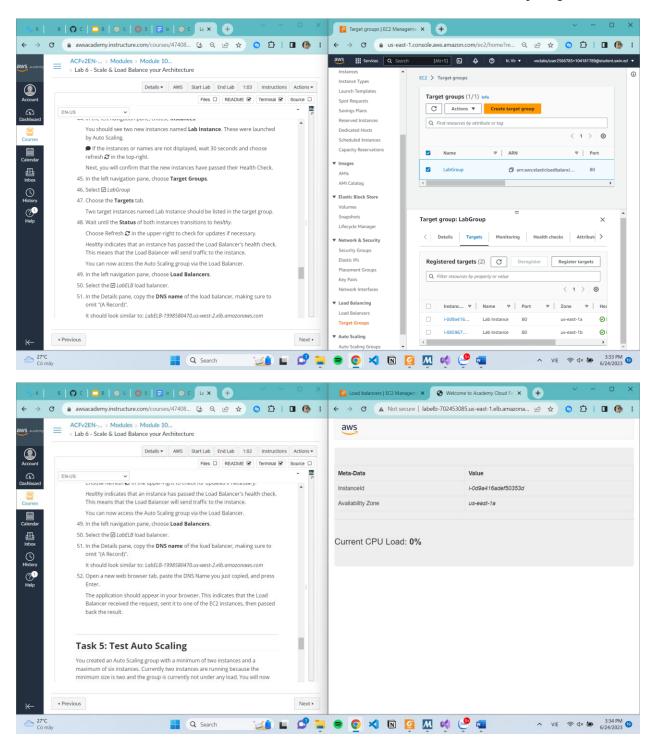


Create Auto Scaling group

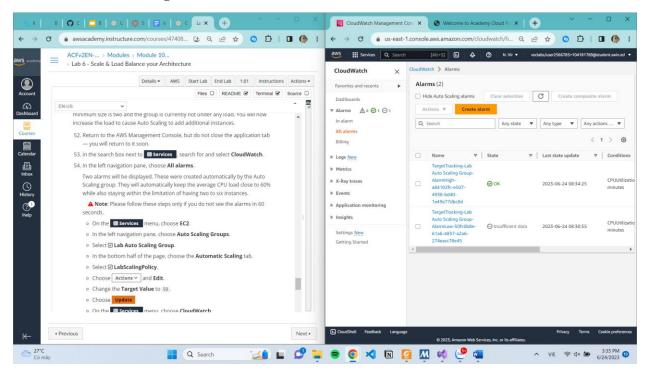


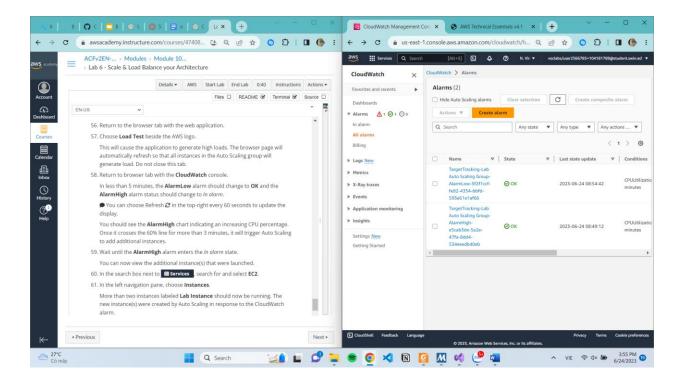


Task 4: Verify that Load Balacing is Working



Task 5: Test Auto Scaling





Task 6: Terminate WebServer 1

