Lab 6: Scale and Load Balance Your Architecture

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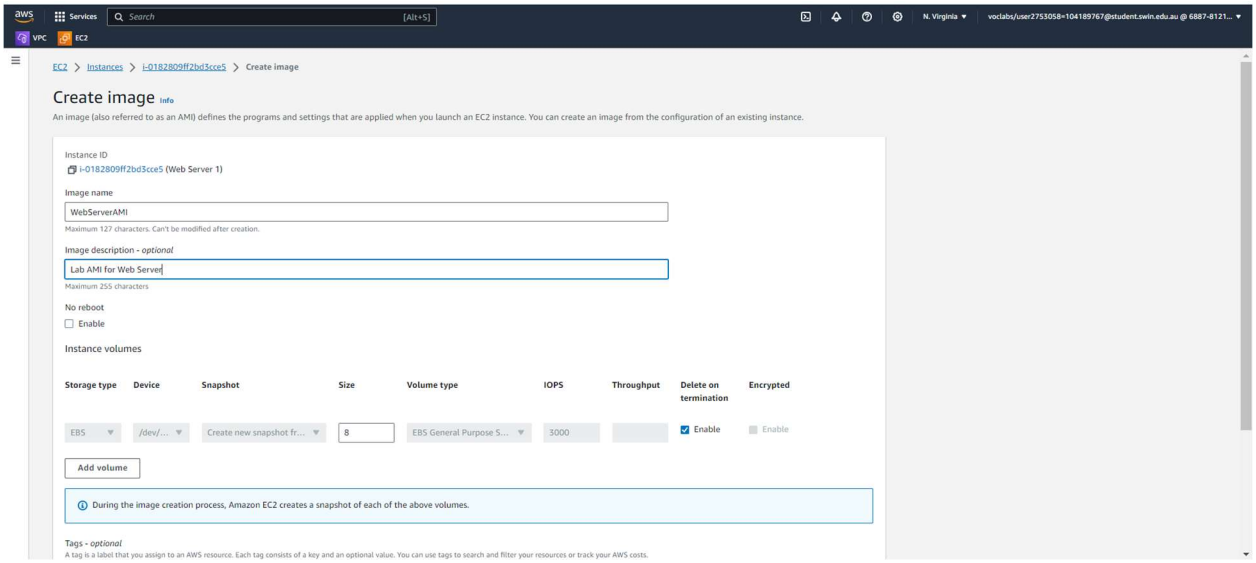
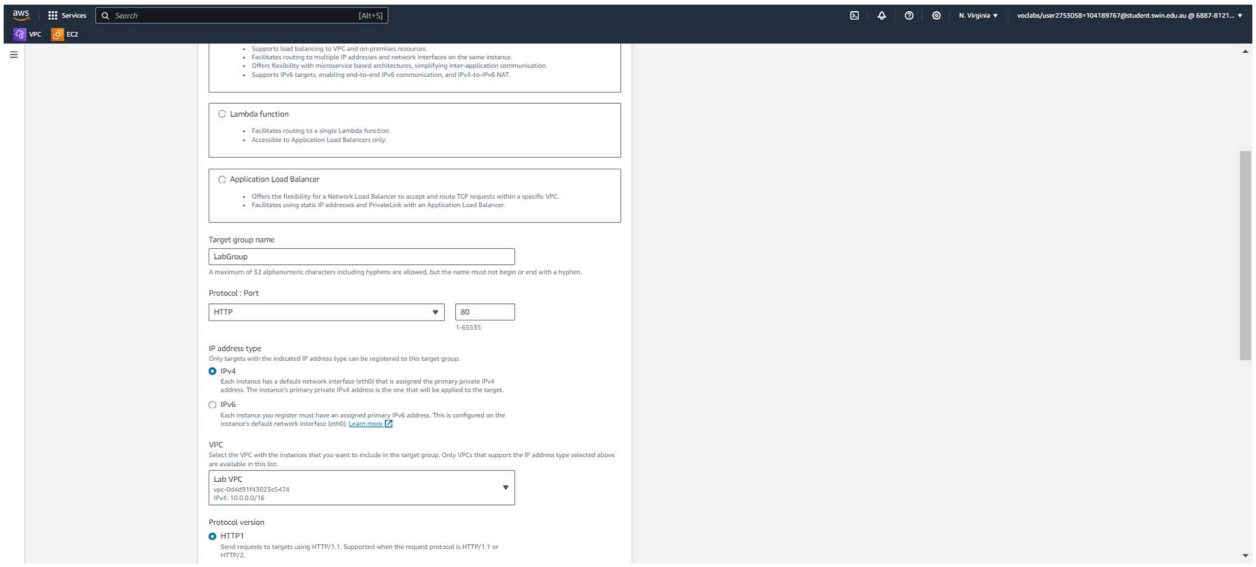
Task 1: Create an AMI for Auto Scaling

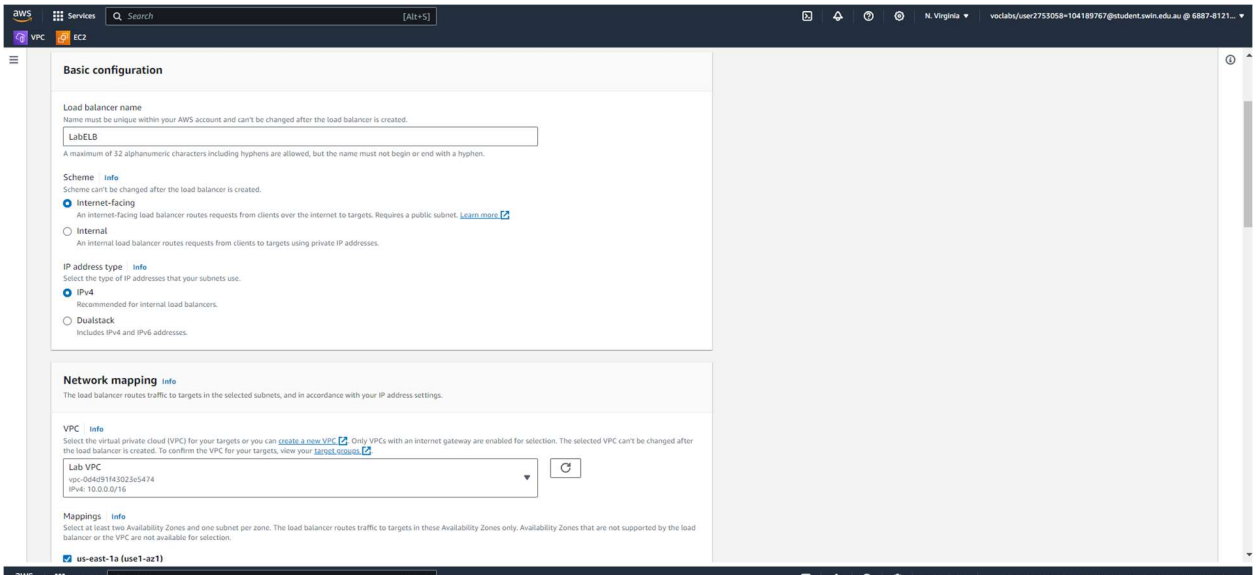


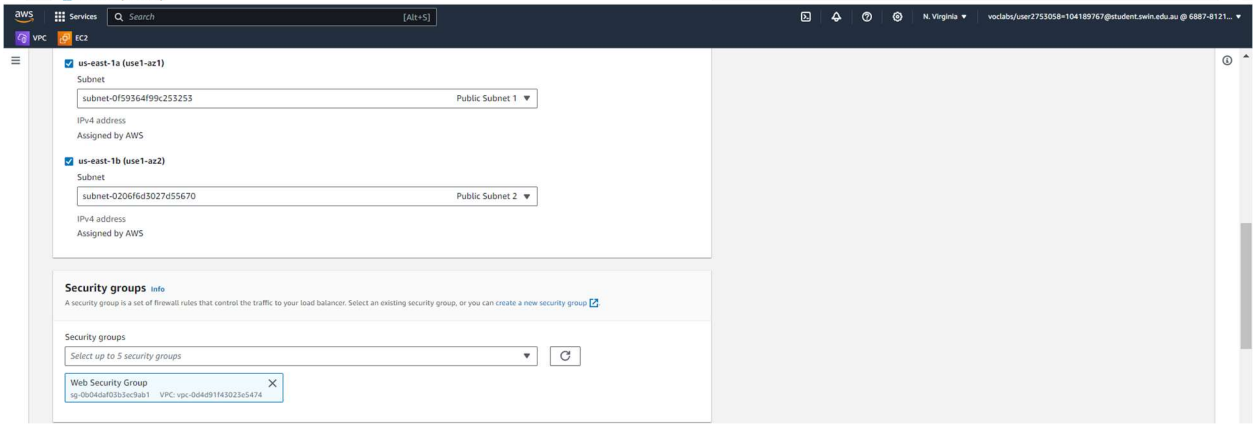
I create image for the Web server intance with assigning image name and image description.

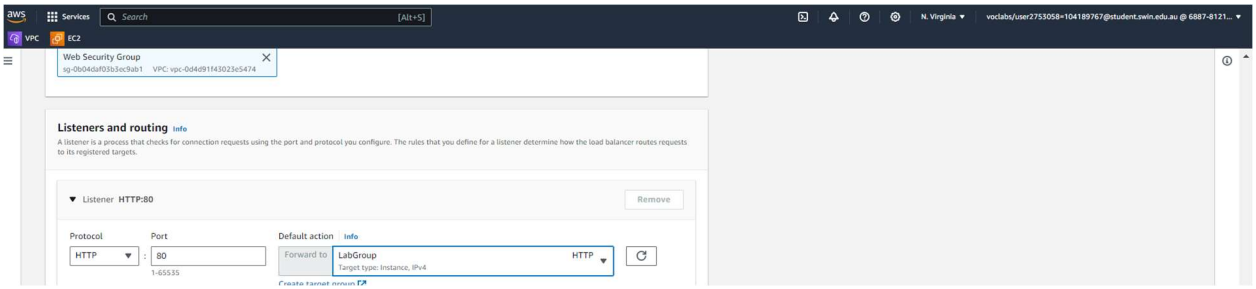
Task 2: Create a Load Balancer



I create Target Group with assigning Target group name and choosing the Lab VPC.

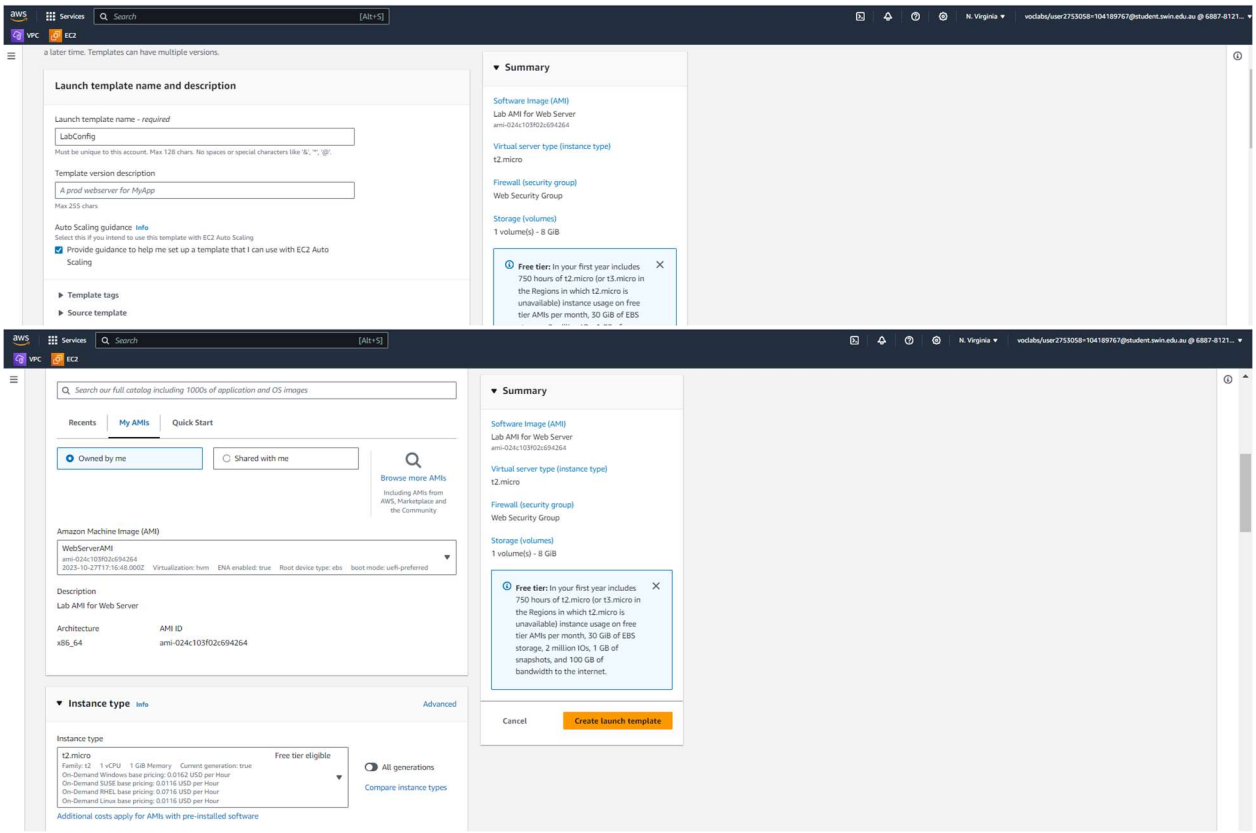


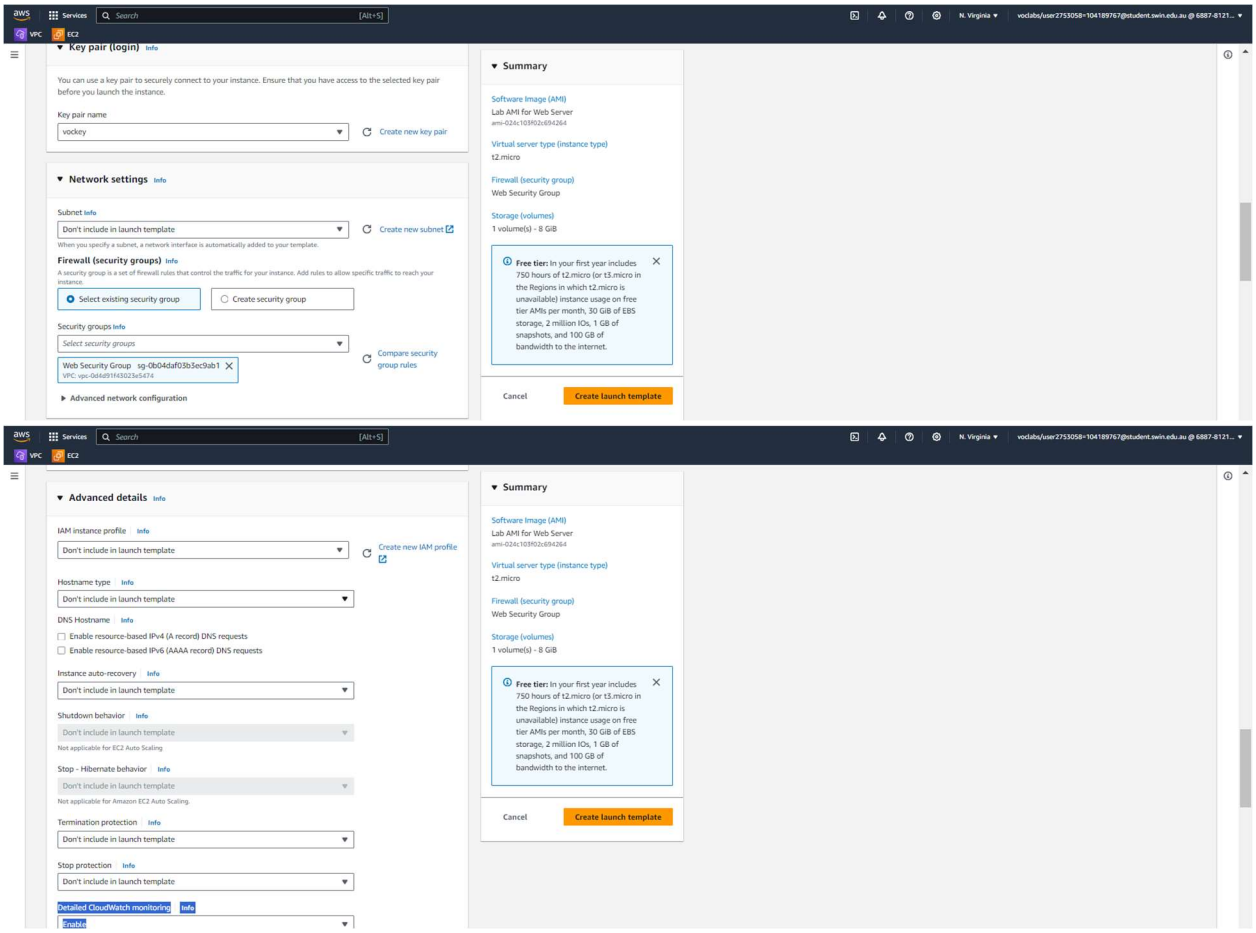




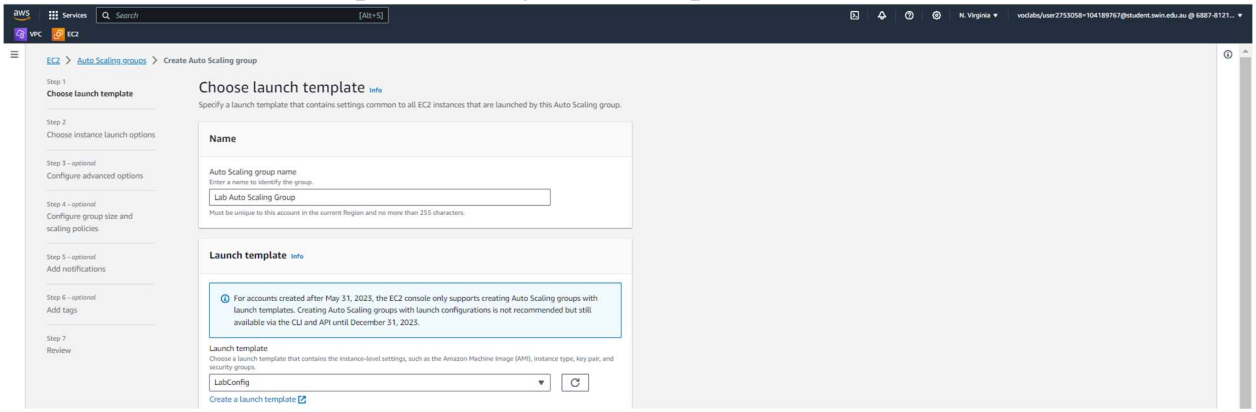
These images above are the steps I create application Load Balancer. I create Load Balancer name , choose Lab VPC, select Public subnet 1 and Public subnet 2 in 2 Availability Zone, choose Security Group (Web Security Group) and opt the default action for LabGroup.

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

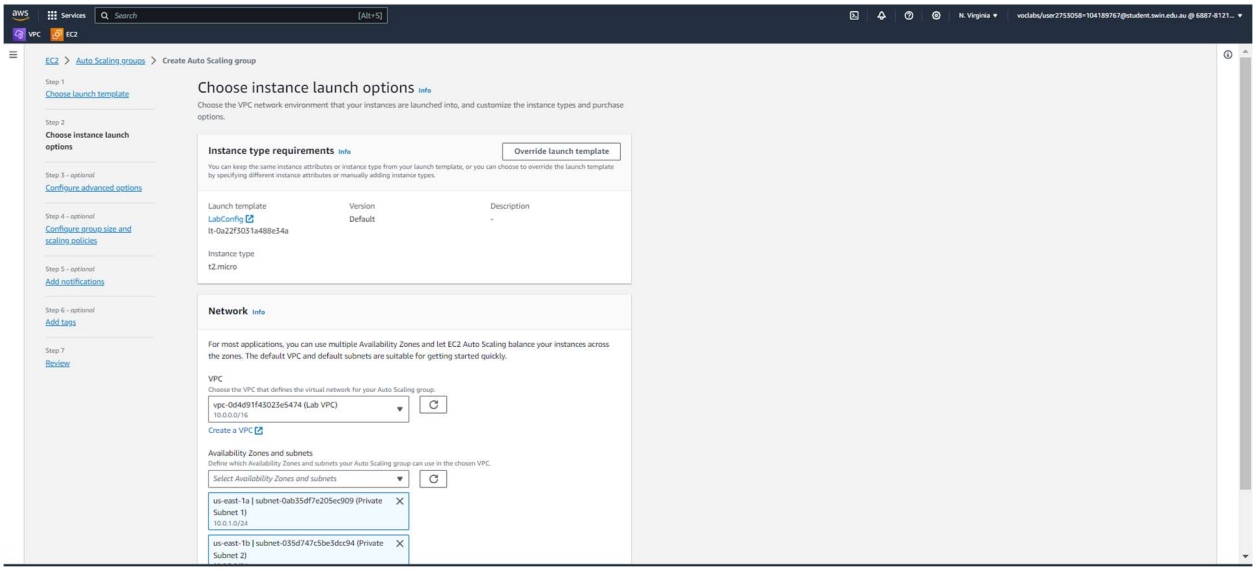




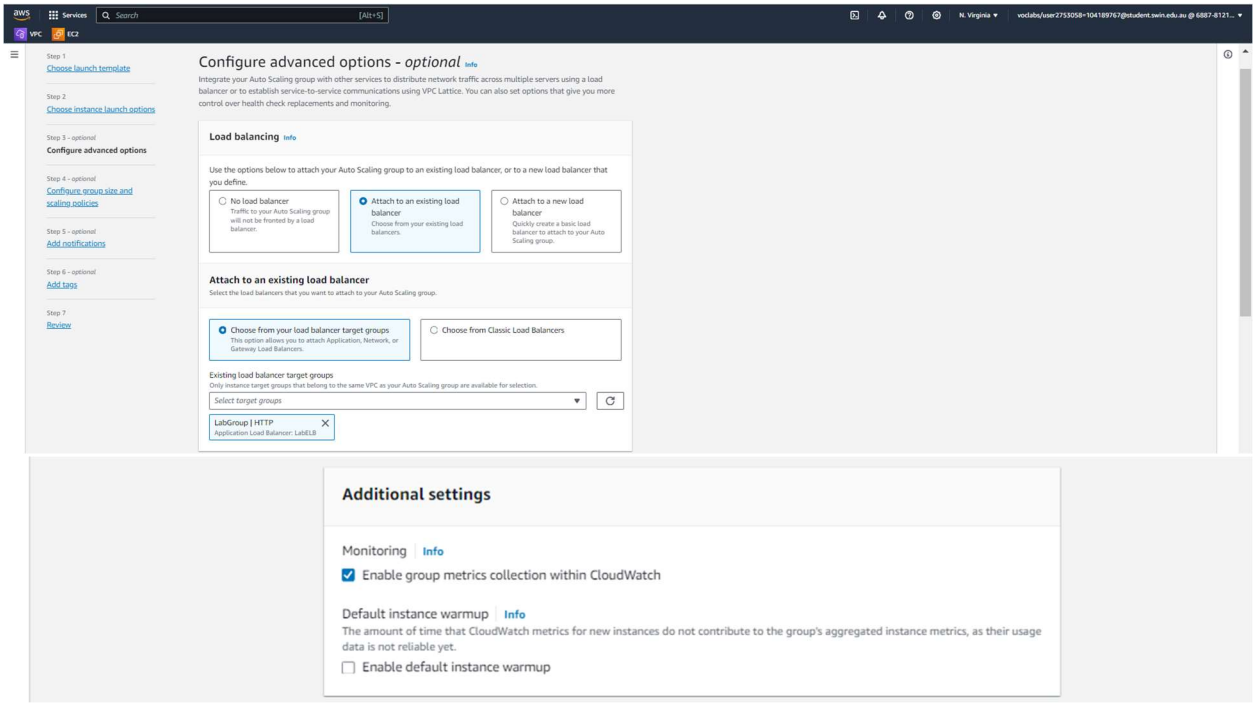
I create the Launch template through these steps .



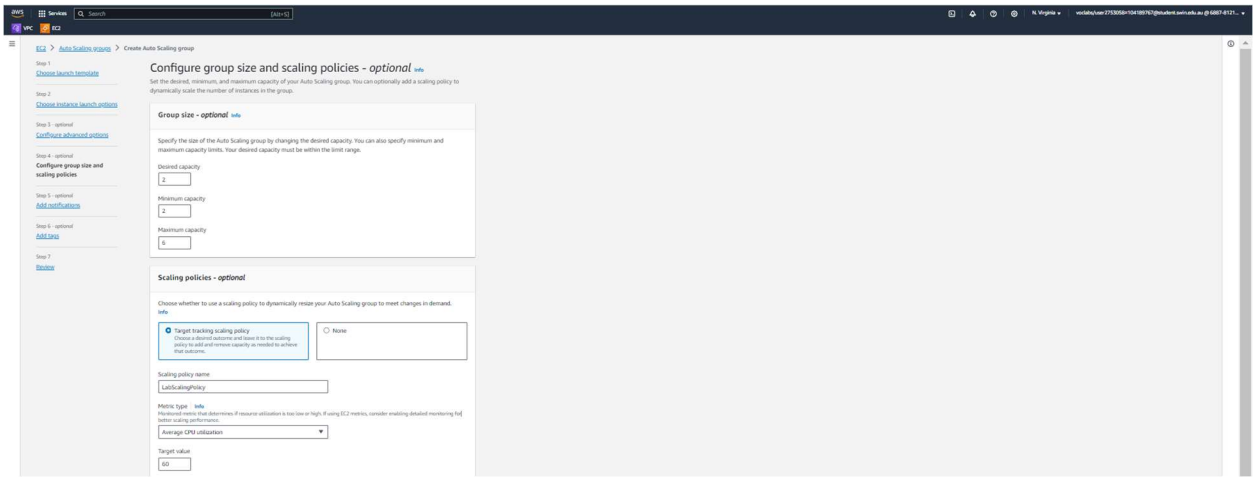
I create Auto Scaling Group for the launch template I created above.



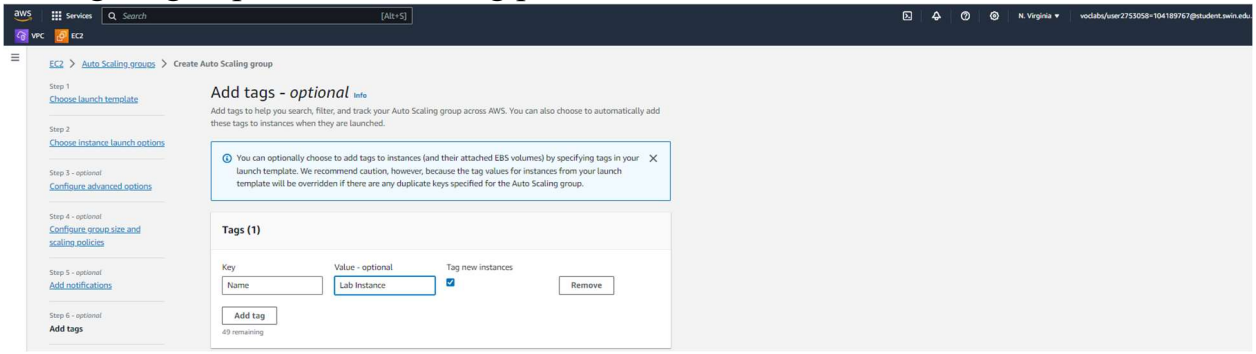
I choose instance launch options with choosing VPC as well as Availability Zones and subnets.



Configure advanced options .

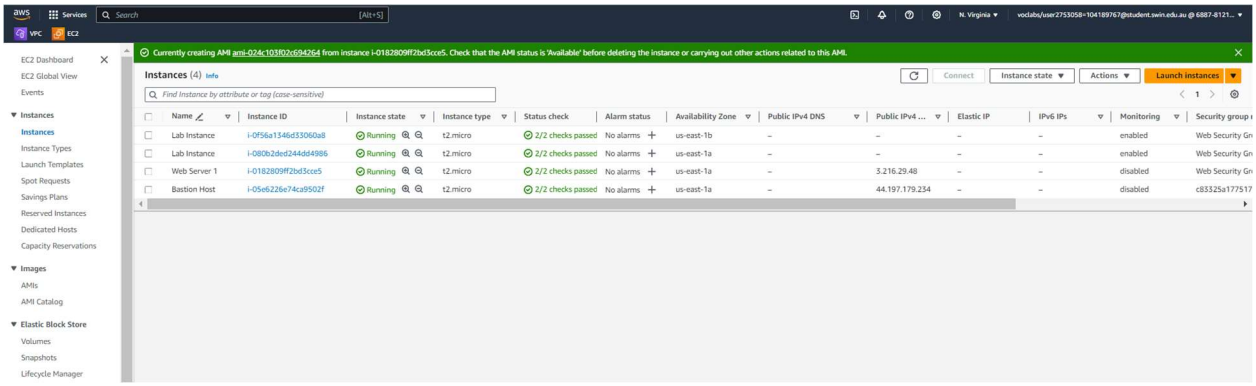


Configure group size and scalling policies.

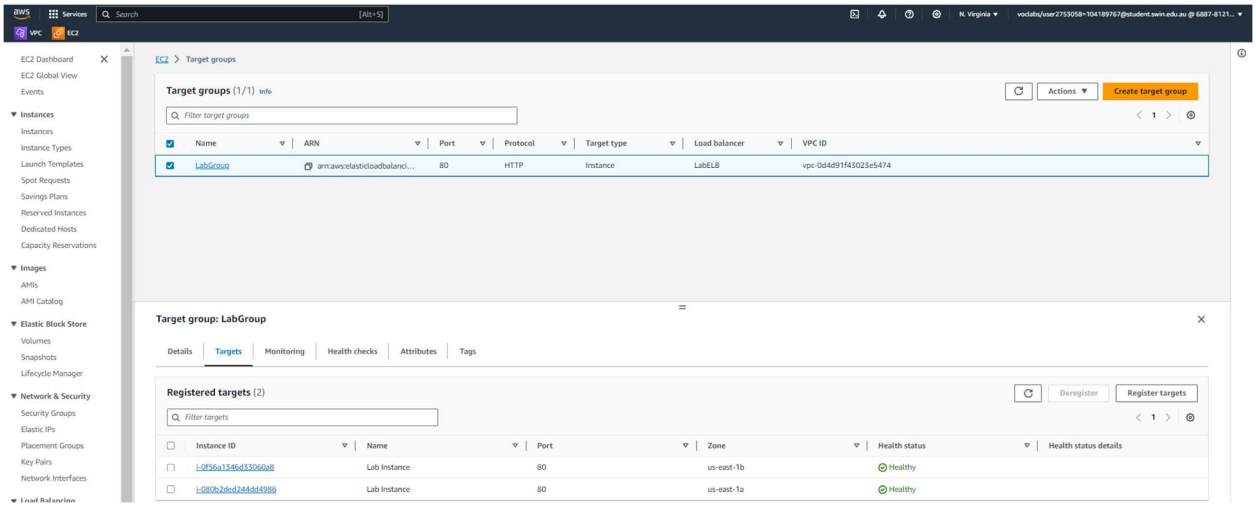


Add tags for the auto scalling group.

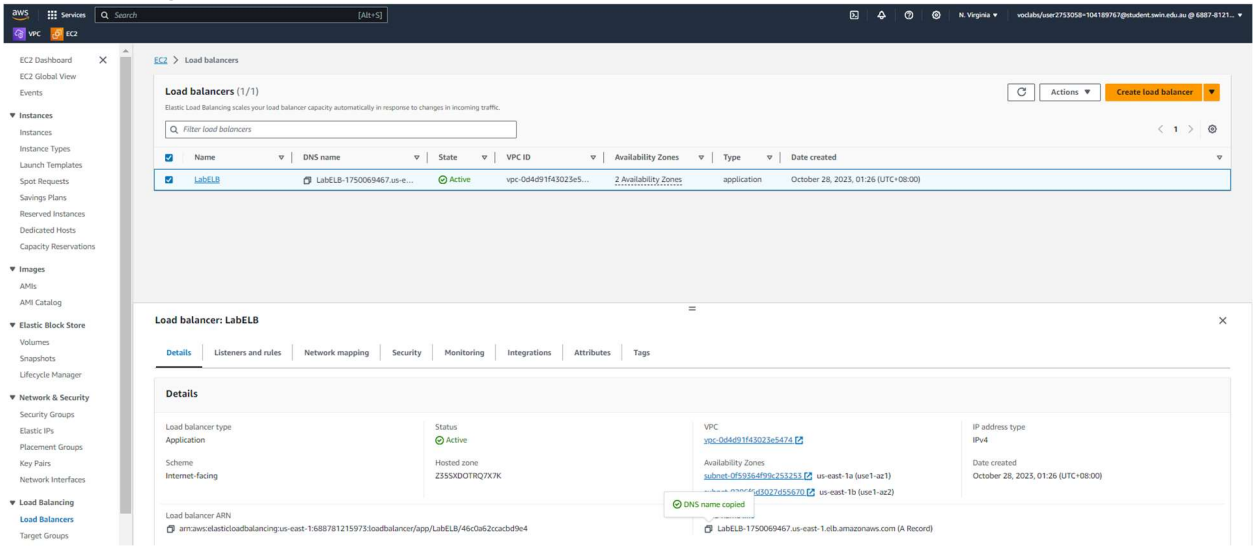
Task 4: Verify that Load Balancing is Working



It has 2 Lab Instance instances.

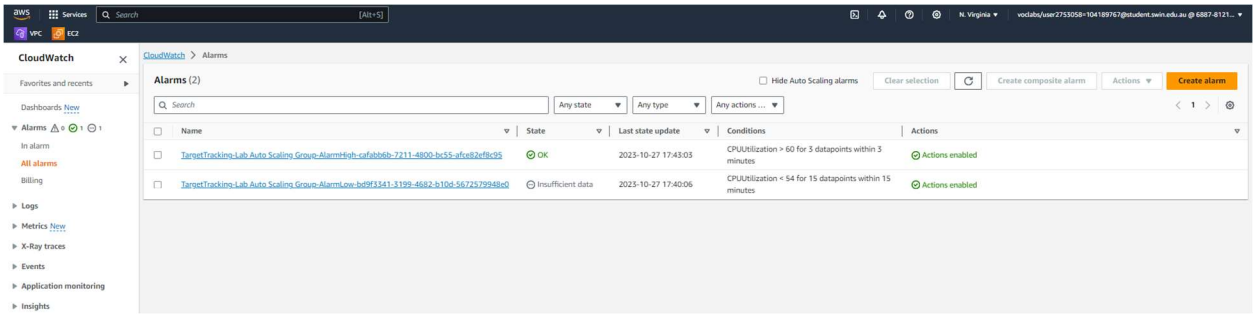


It has 2 target intances.

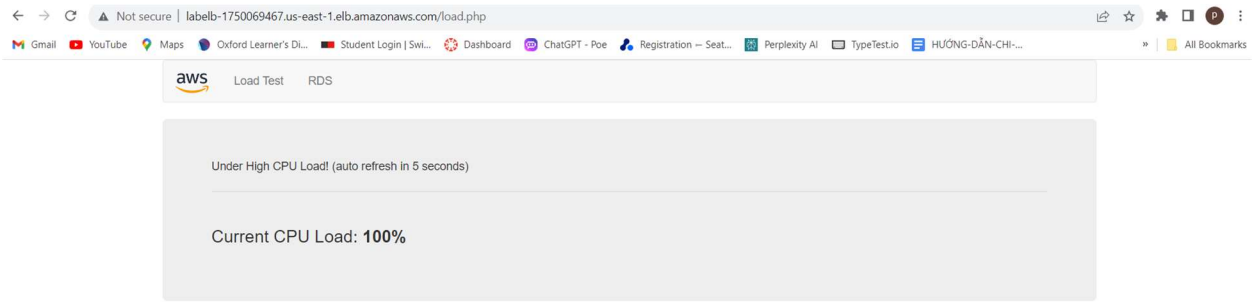


I copied the DNS name.

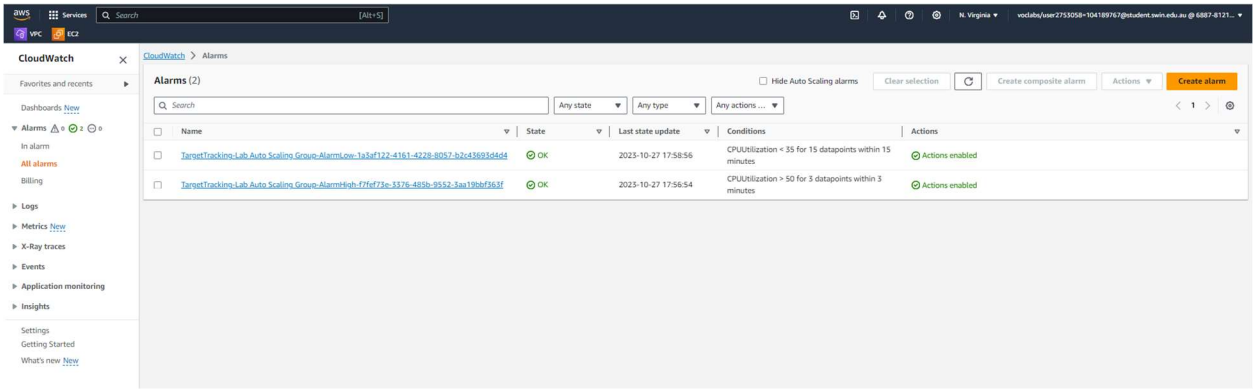
Task 5: Test Auto Scaling



It has OK state.



I choose Load Test



After waiting, all alarms are OK state.

Task 6: Terminate Web Server 1

I terminated the Web Server intance.