Module - 3 Case-Study

1. Manage the scaling requirements of the company by:

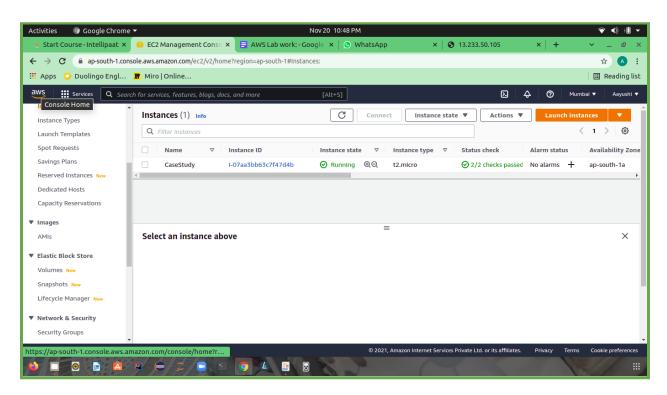
Deploying multiple compute resources on the cloud as soon as the load increases

and the CPU utilization exceeds 80%

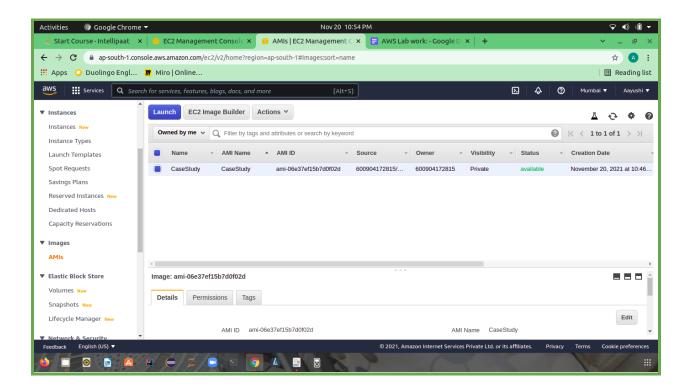
Removing the resources when the CPU utilization goes under 60%

- 2. Create a Load balancer to distribute the load between compute resources
- 3. Route the traffic to the company's domain

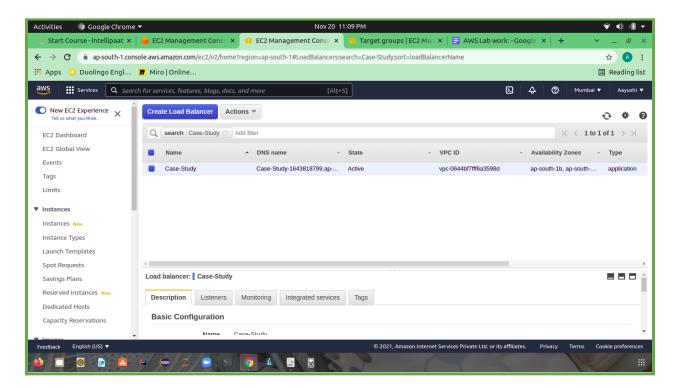
Create a instance by using bootstrapping code

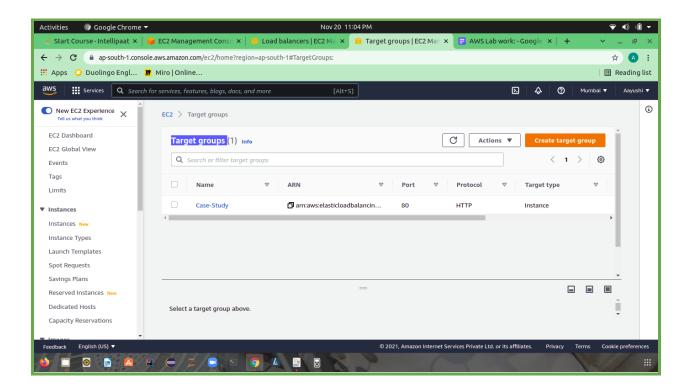


Create a AMI

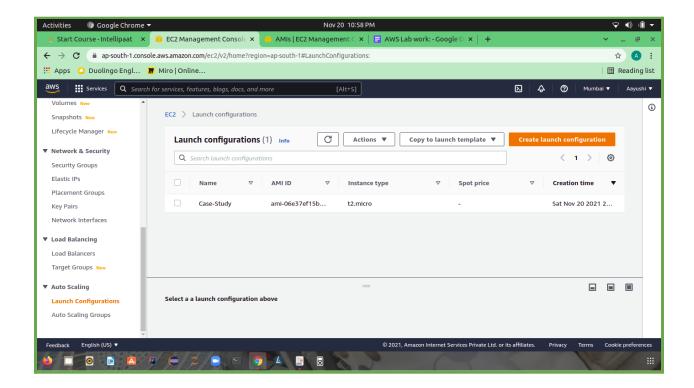


Create application load balancer and target group

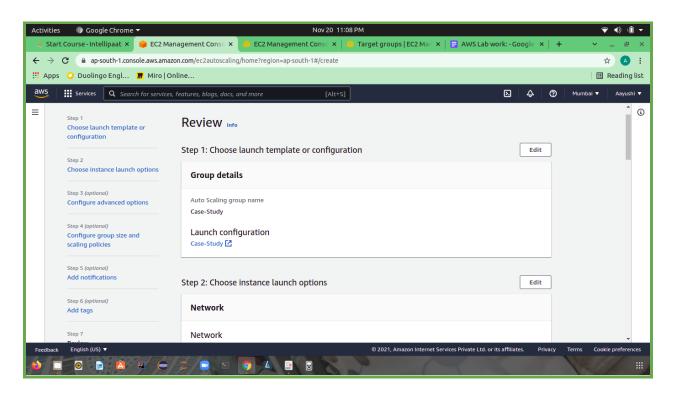


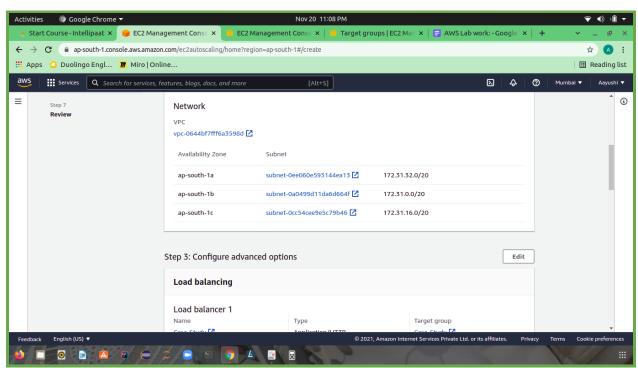


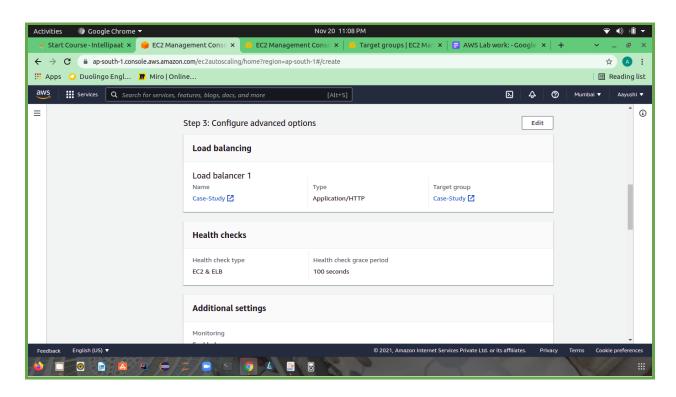
Now launch configuration to create an auto scaling group

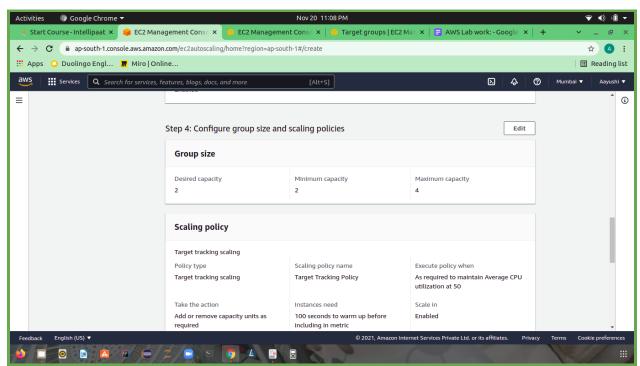


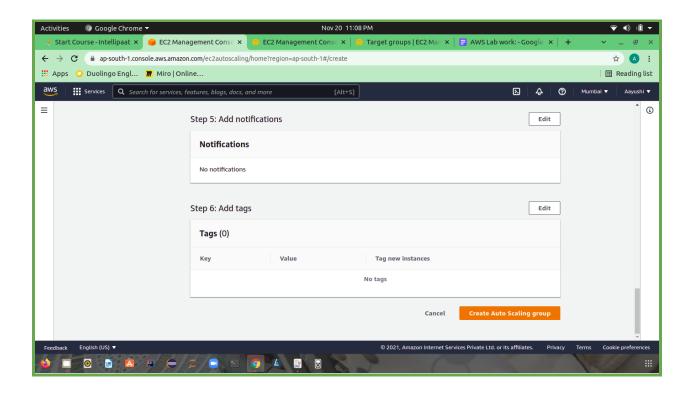
Now create auto scaling group

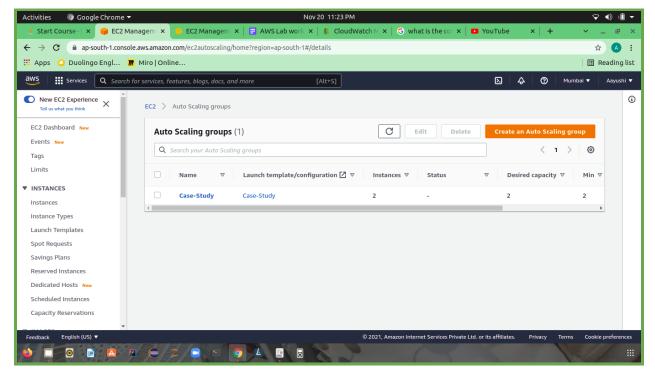




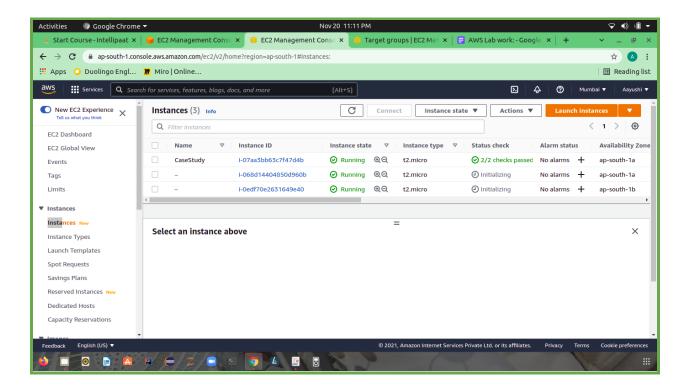




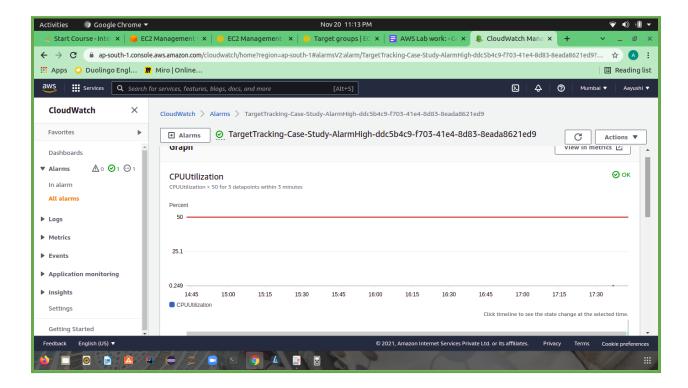




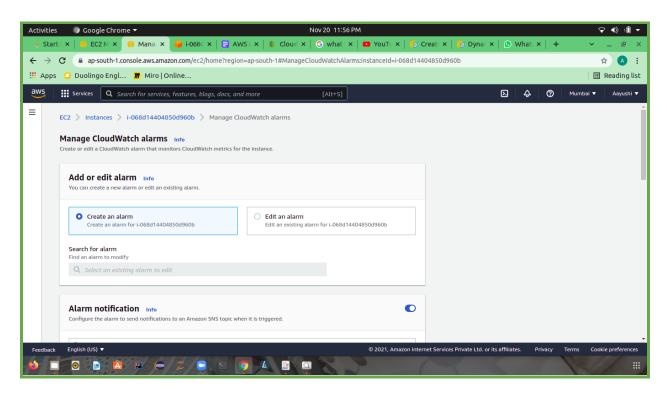
Now check the status instance has been created automatically

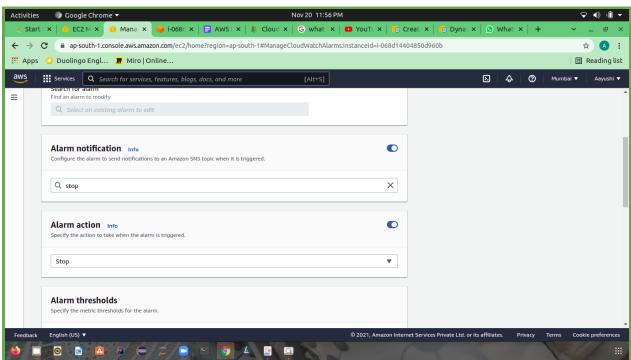


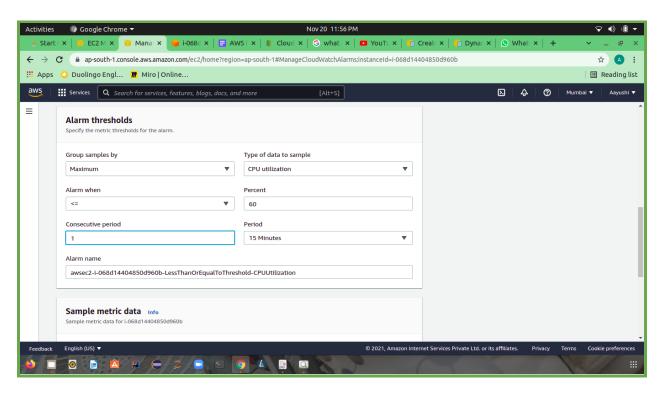
Analysis the status of cpu utilization by using cloud watch
Take remote to the instance and use below command and increase cpu utilization
sha1sum /dev/zero &

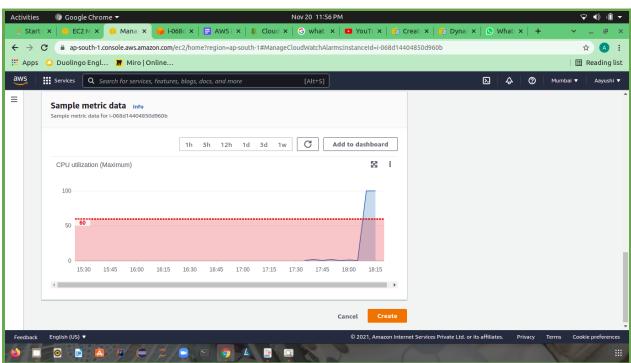


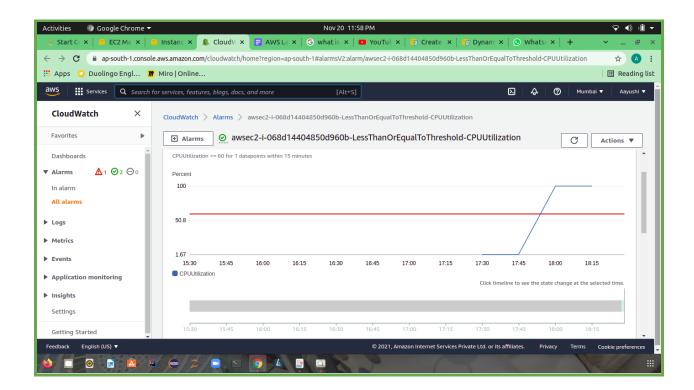
Create cloud watch alarms



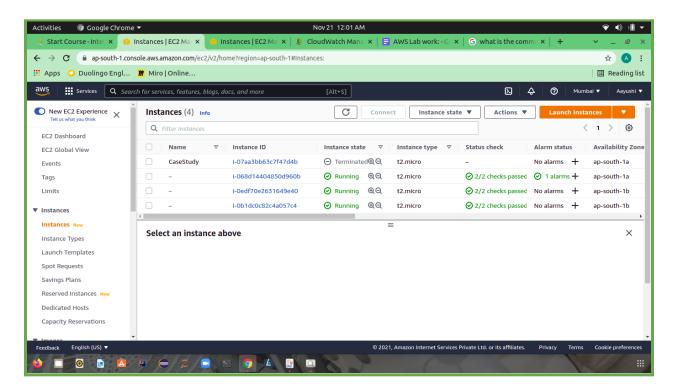




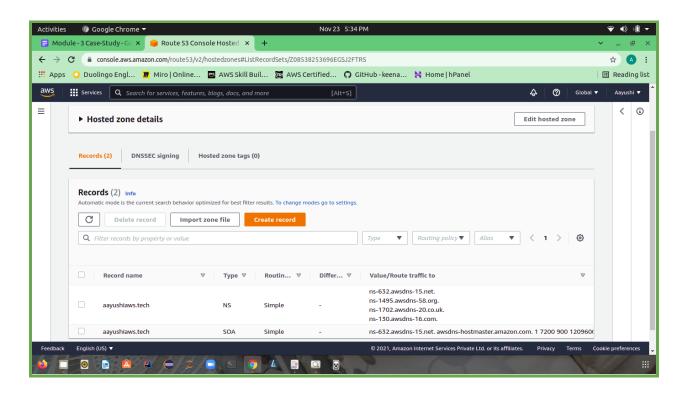




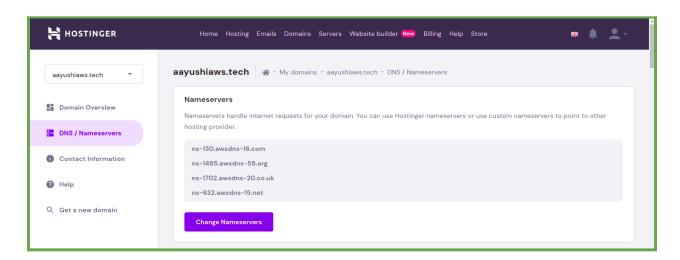
If cpu utilization below 60% you get a alarm then terminate instance automatically



Now create route 53 to route the traffic by using domain aayushiaws.tech



Connect to the DNS



Create new record using alias

