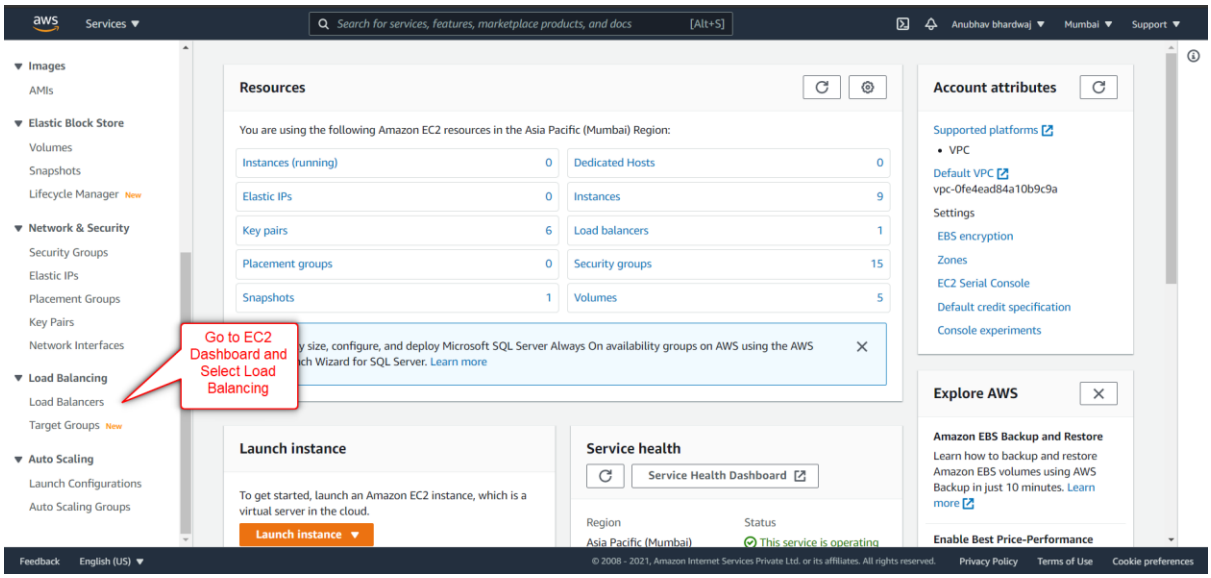
Setup Autoscaling infrastructure with ELB and scale up /down on scheduled time as well on CPU > 5%

Overview

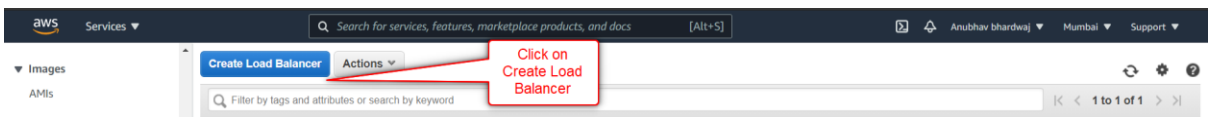
First We will Create a Load Balancer and after Creating ELB we attach a Instance to it and then move to Create a Autoscaling Group and attach it with Newly Created ELB and set up a Constrain When Load Utilization is CPU > 5% it will automatic setup the New Instance with same configuration.

1. Crating a ELB

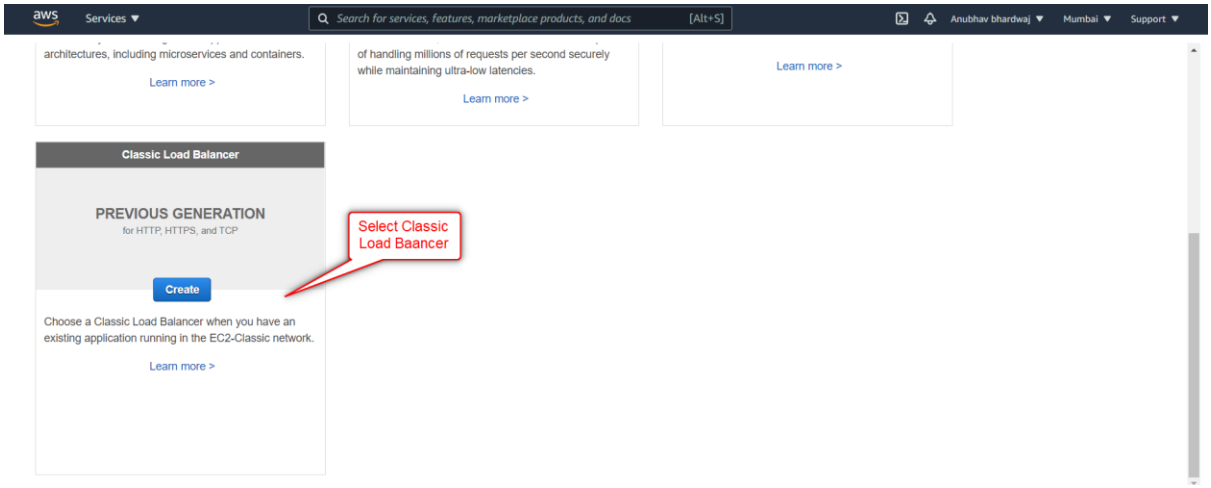
- Move to EC2 Dashboard and Click on Load Balancing



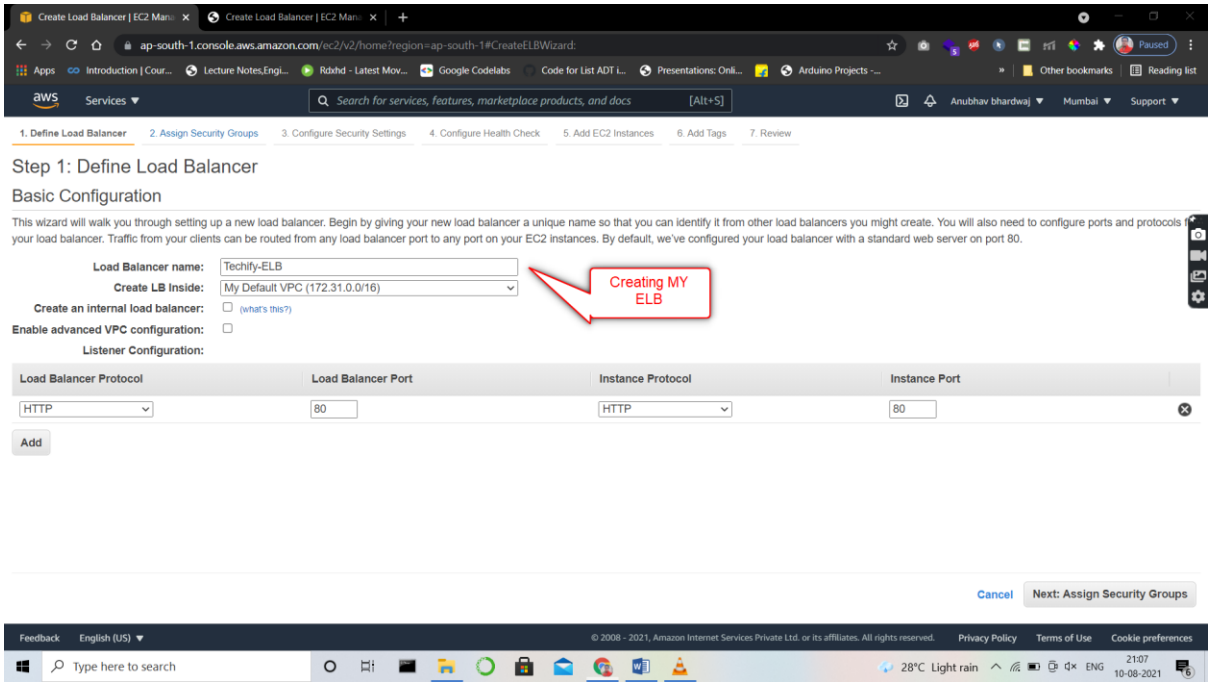
- Click on load Balancer



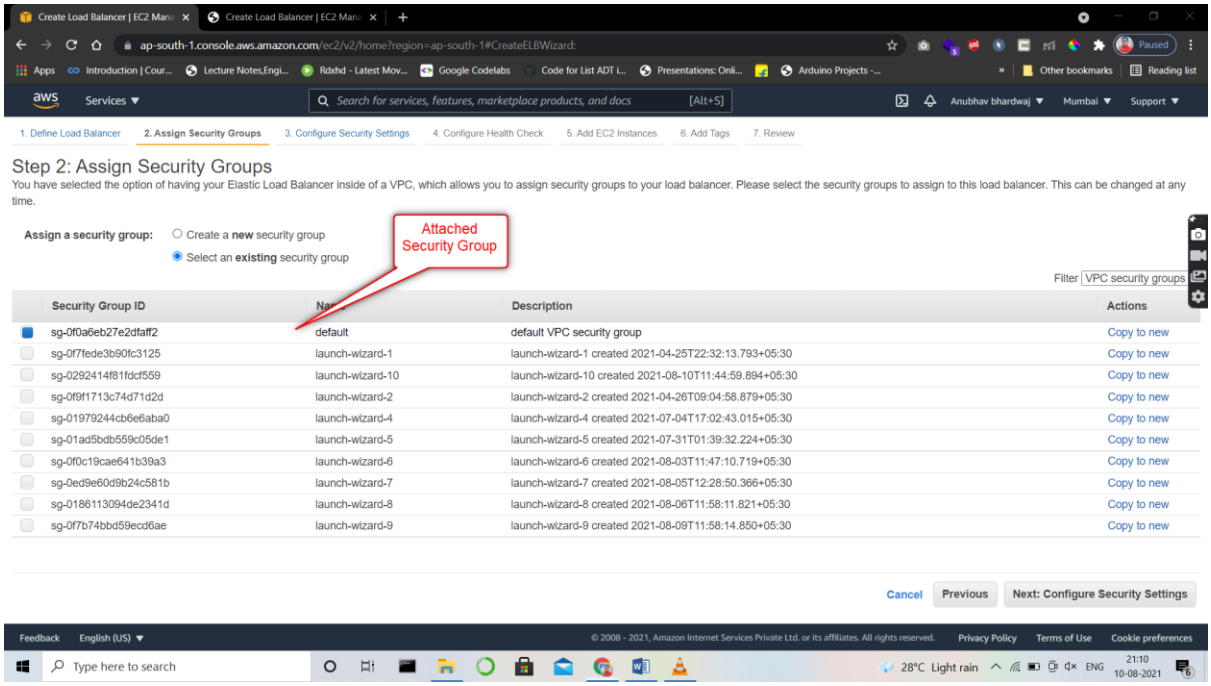
- Select Classic Load Balancer



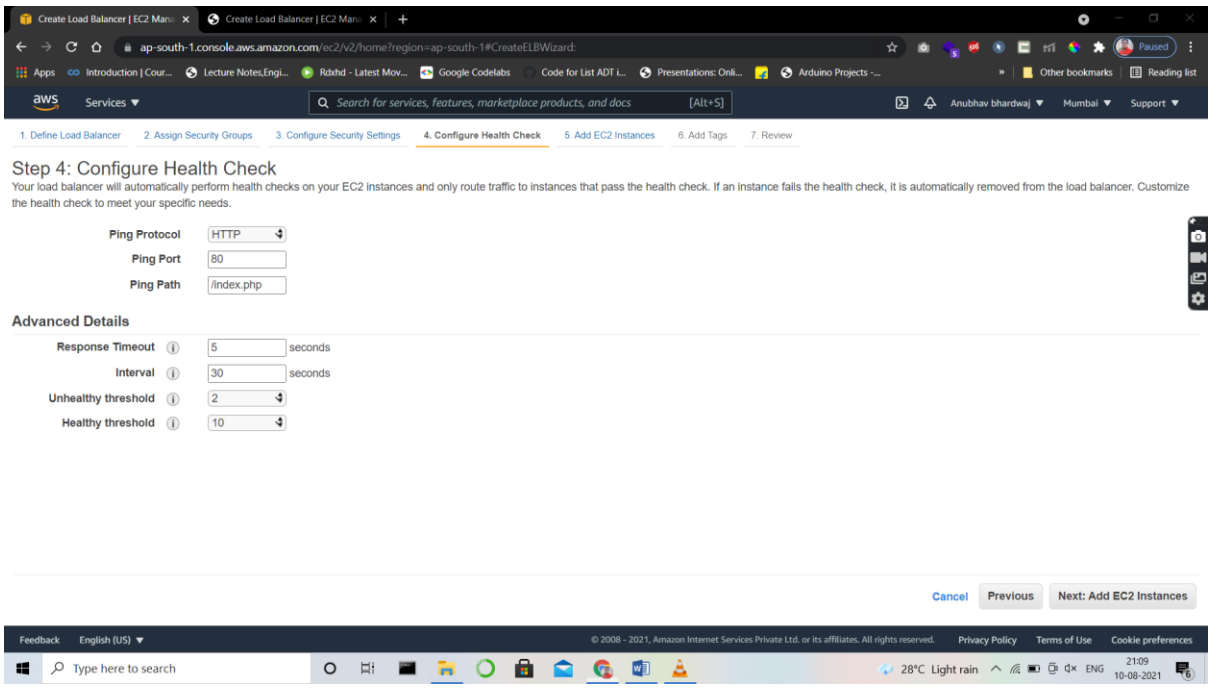
- Specify the Details
  - Name Load Balancer: Specify the Name
  - Create LB Inside: Select Default VPC



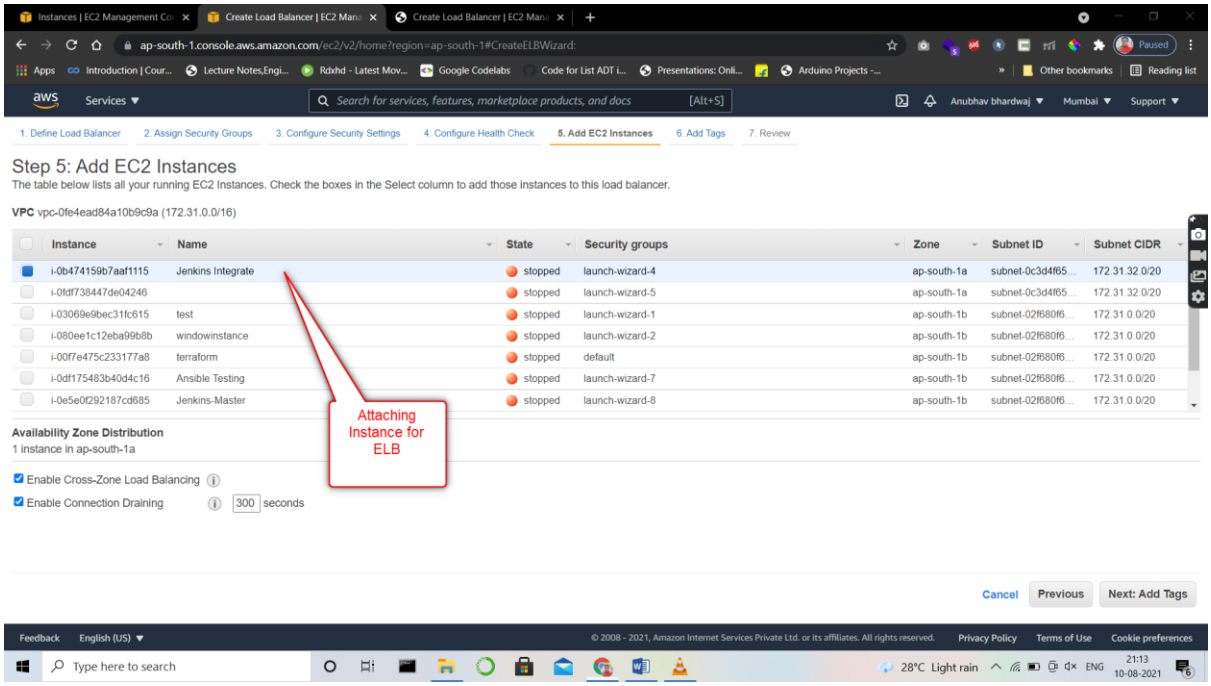
- Assign Security Group (Set as Defaut)



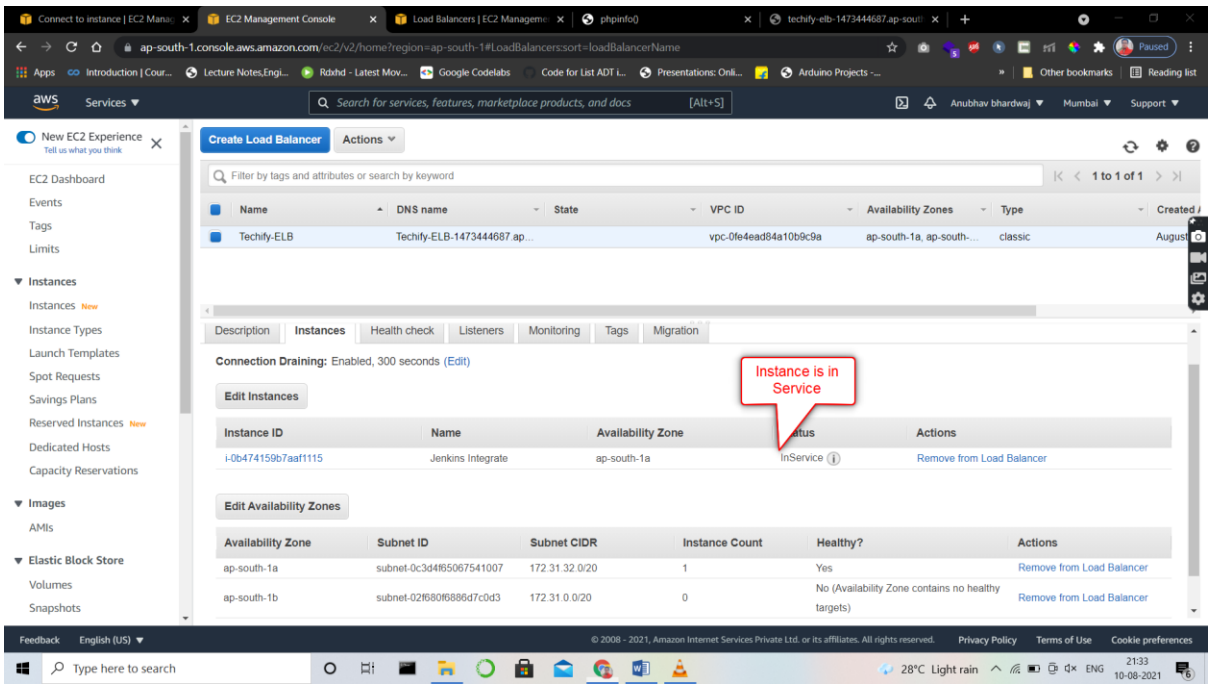
➢ Configure Heath Check

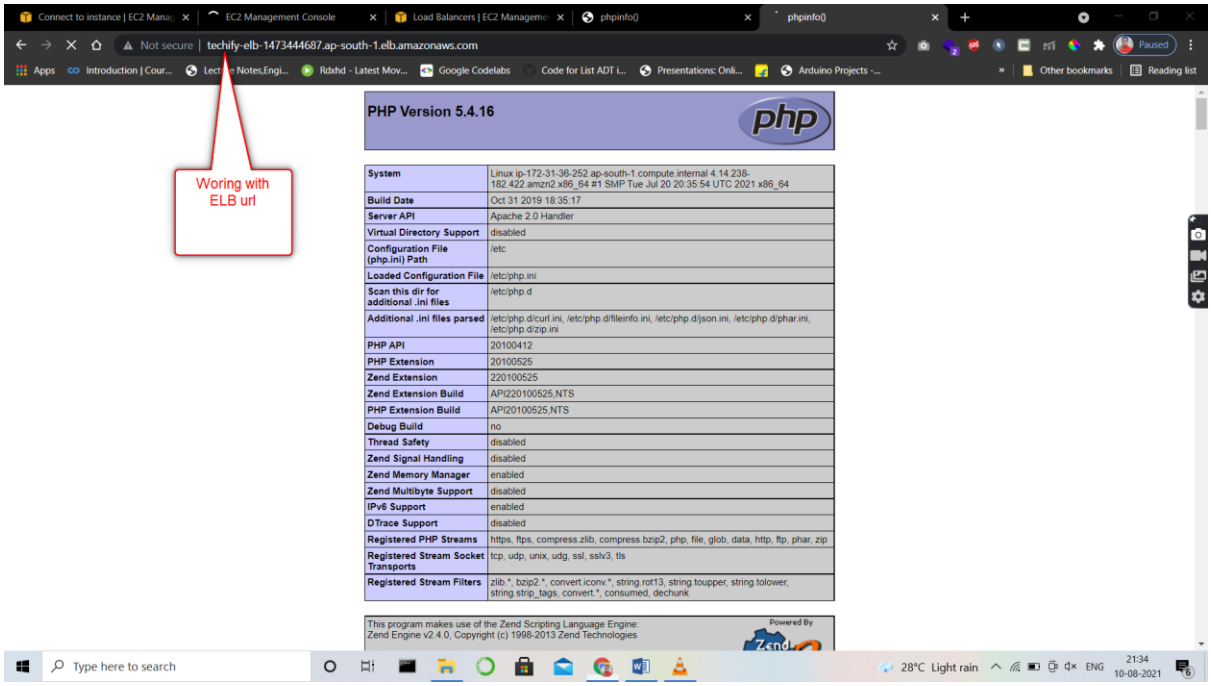


➢ Attach Your Instance



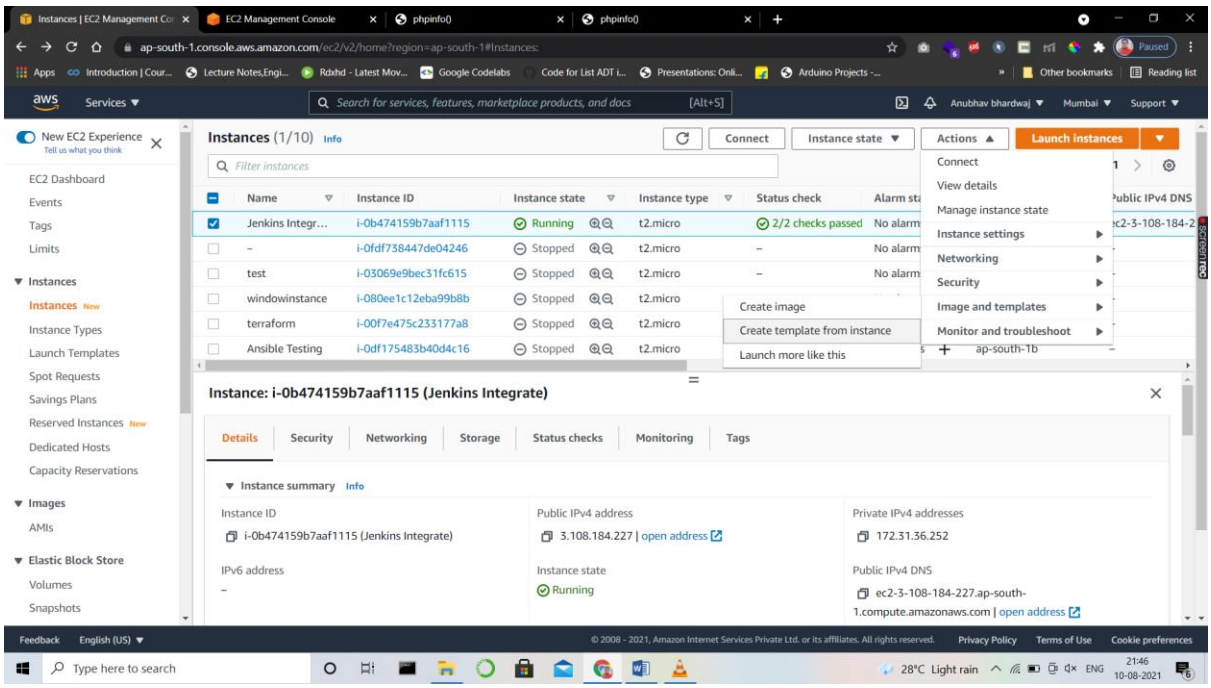
- Add Tag
- Review and Launch



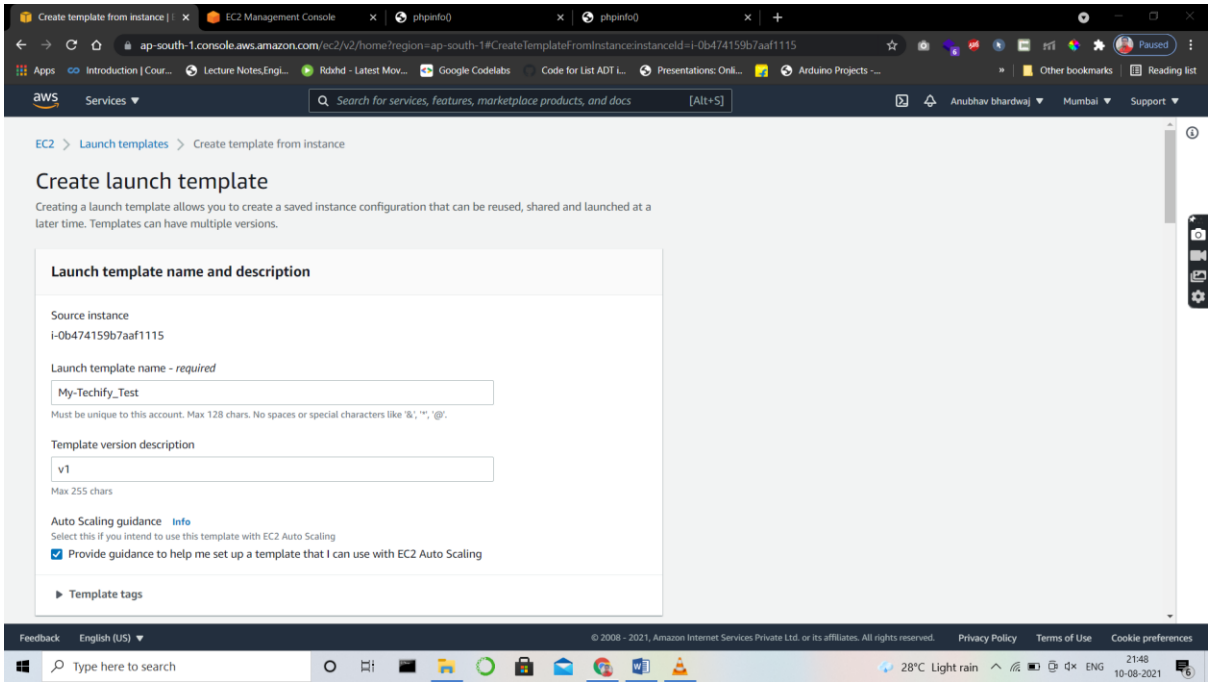


2. Creating Autoscaling Group

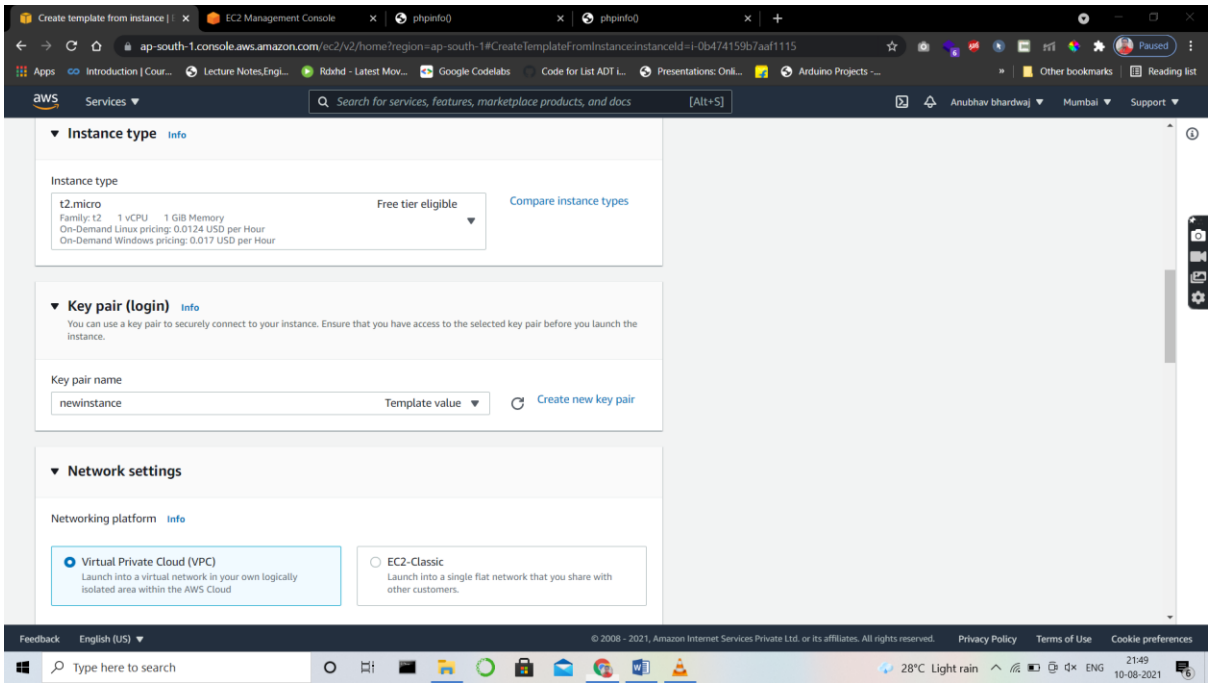
- Launch Your Template



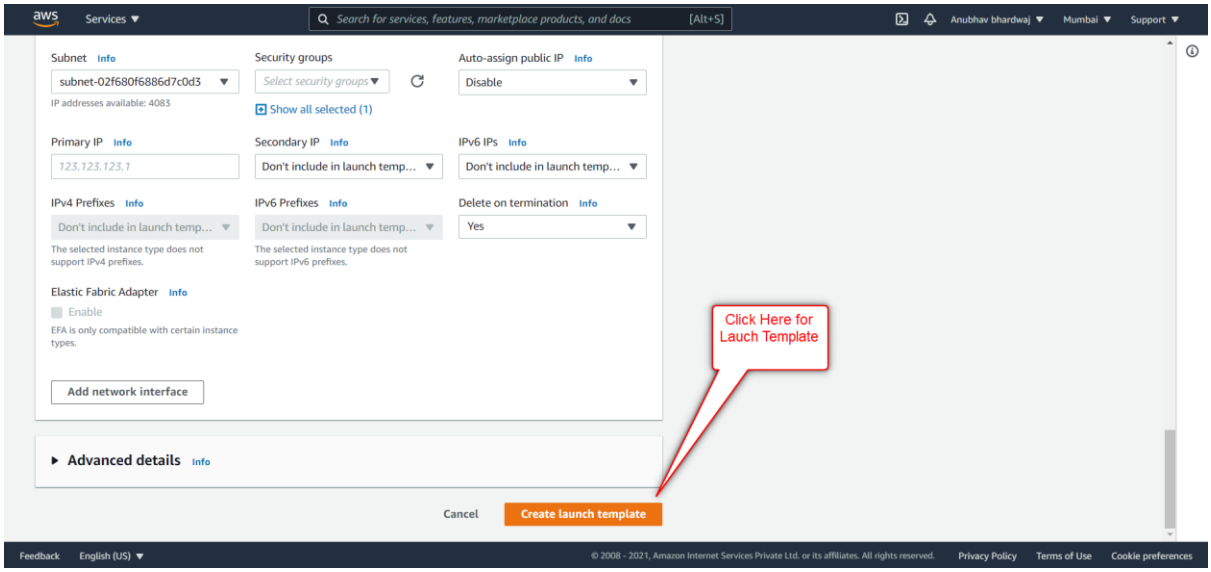
- Specify the Details of Launch Template
  - Name: Specify the Name
  - Template Version Description: Set a version



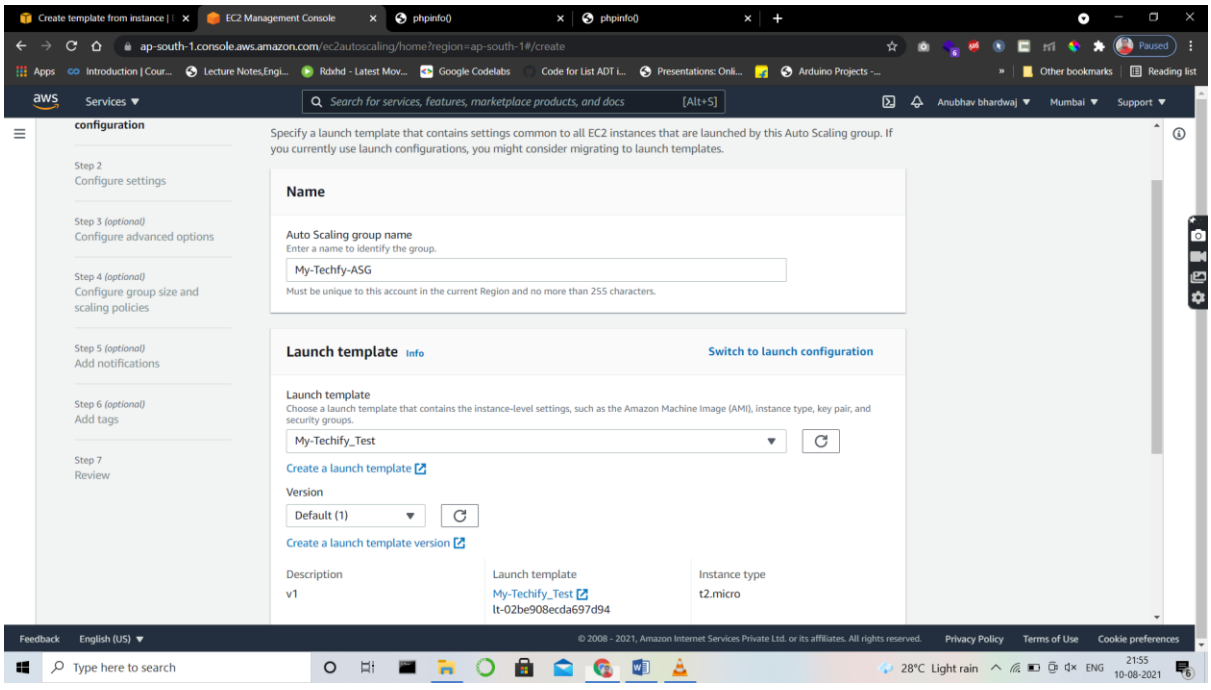
- Instance Type: Specify the Machine Type
- Keypair Name: Select the Key for login



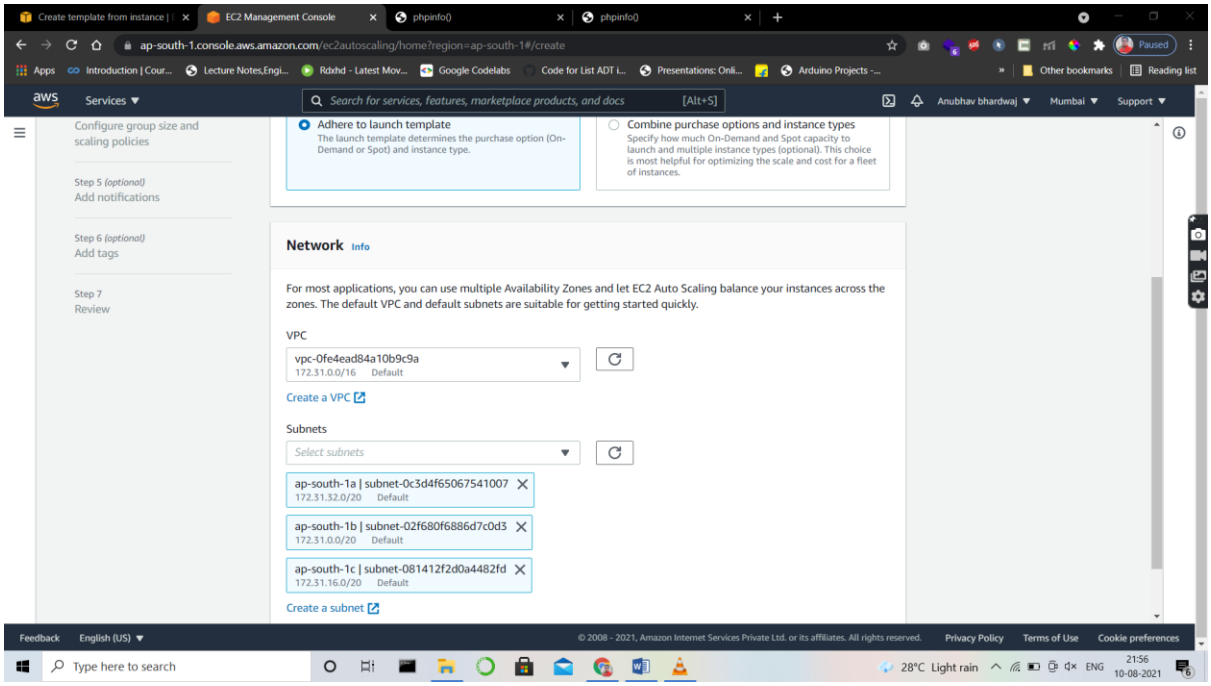
- Networking Setting: Select Your Subnet
- Click on Launch Template



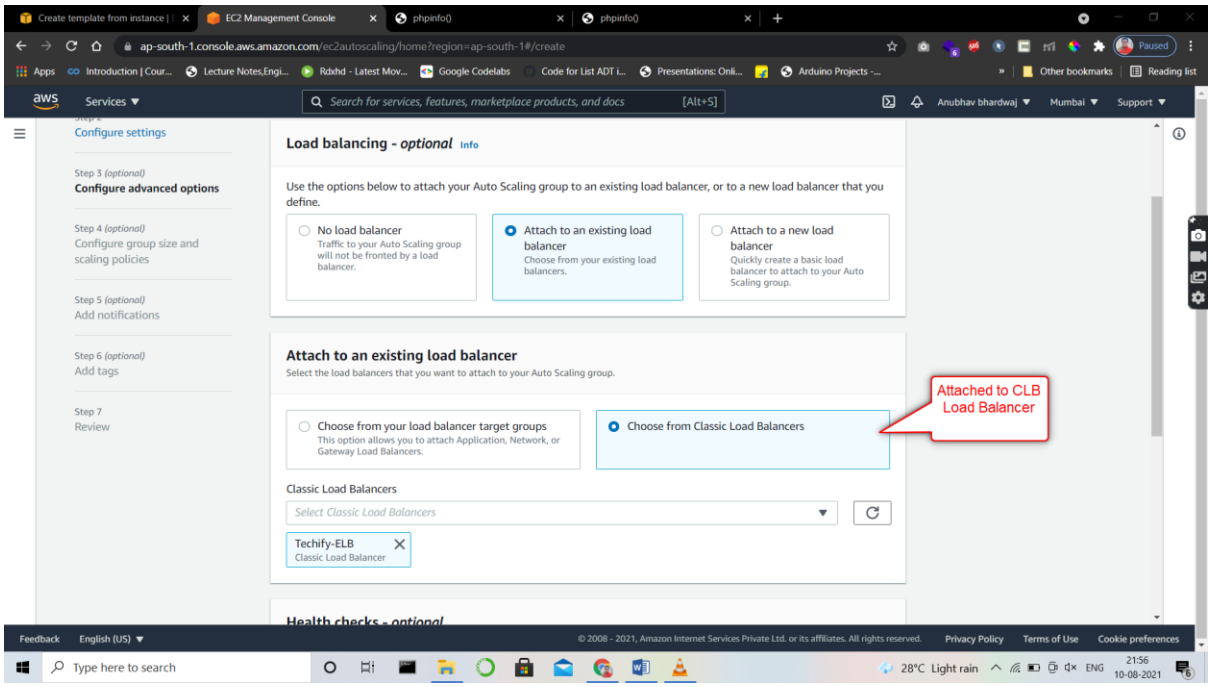
- Go to Autoscaling Group and Clcik on Create
  - Name: Specify the Name
  - Select Launch Template: Select newly Created



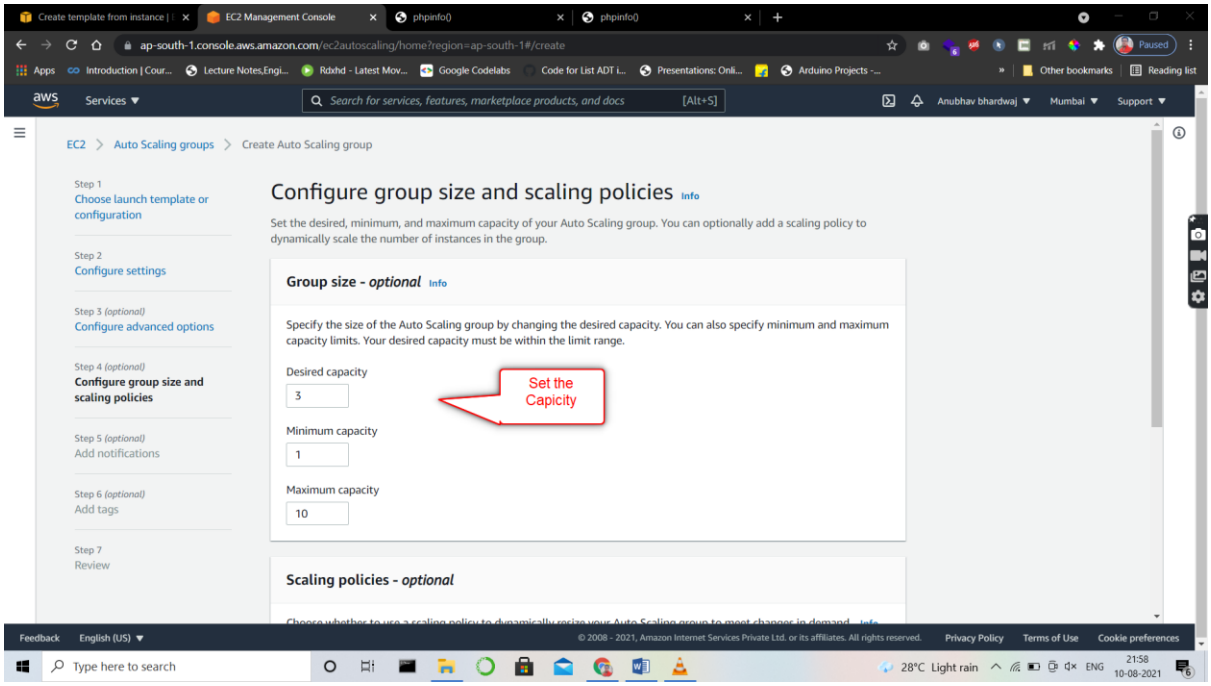
- Configure Setting: Select VPC and Subnet



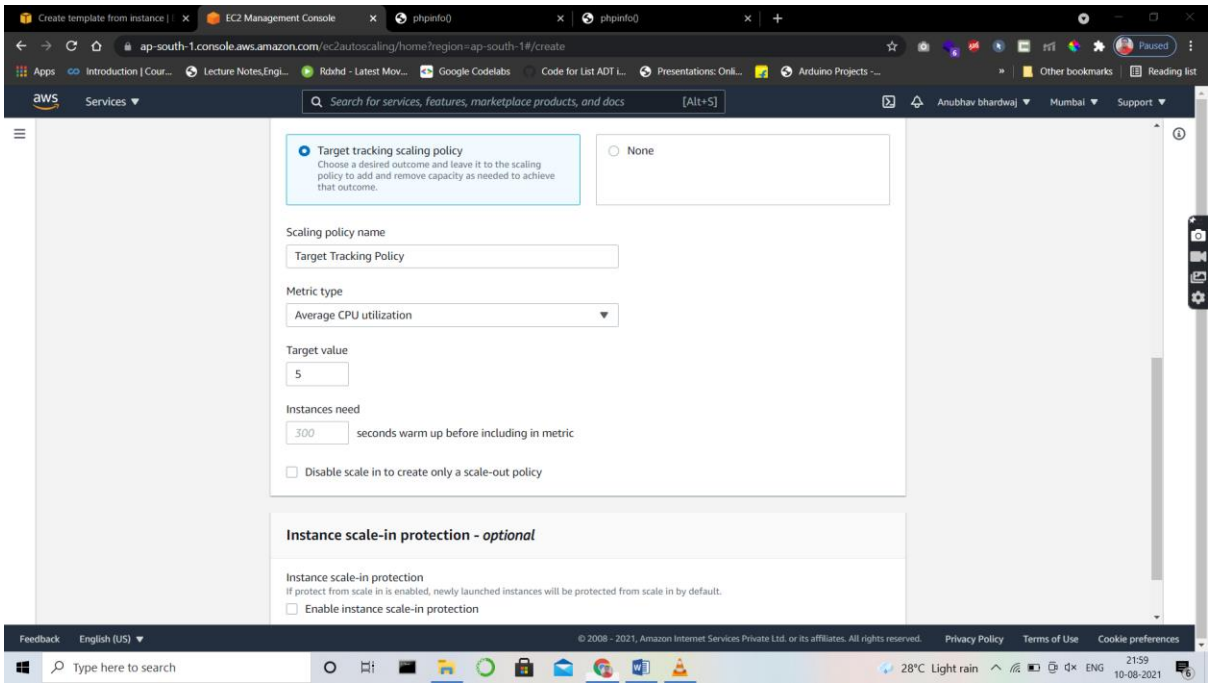
- Attach Load Balancer: Select Your Load Balancer



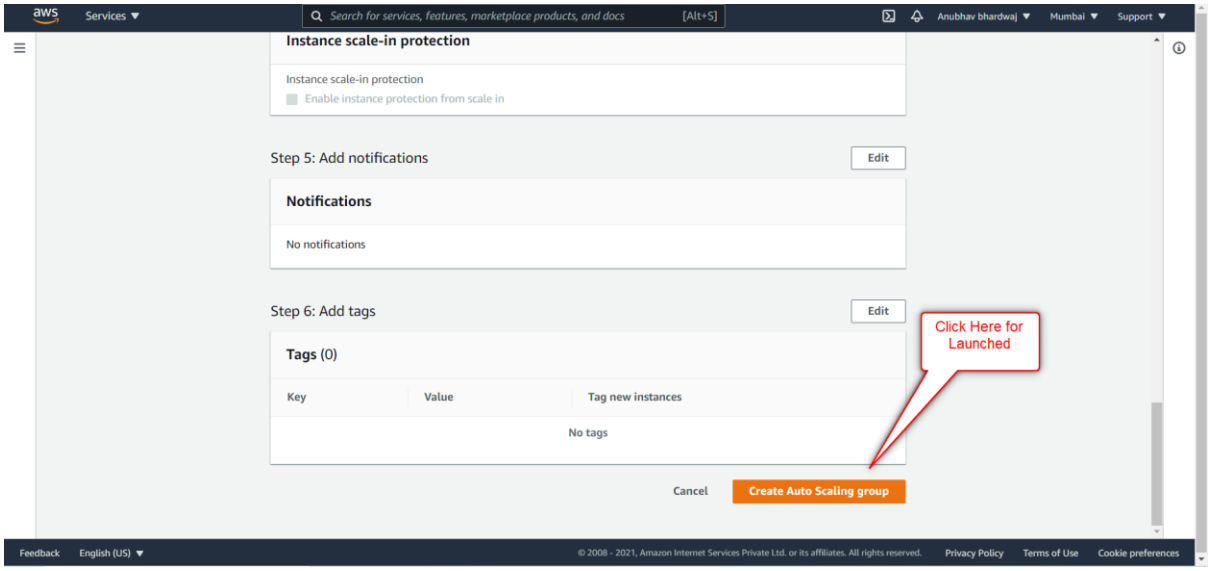
- Group Size: Set the no of Min and Max no of instance launched when load increases



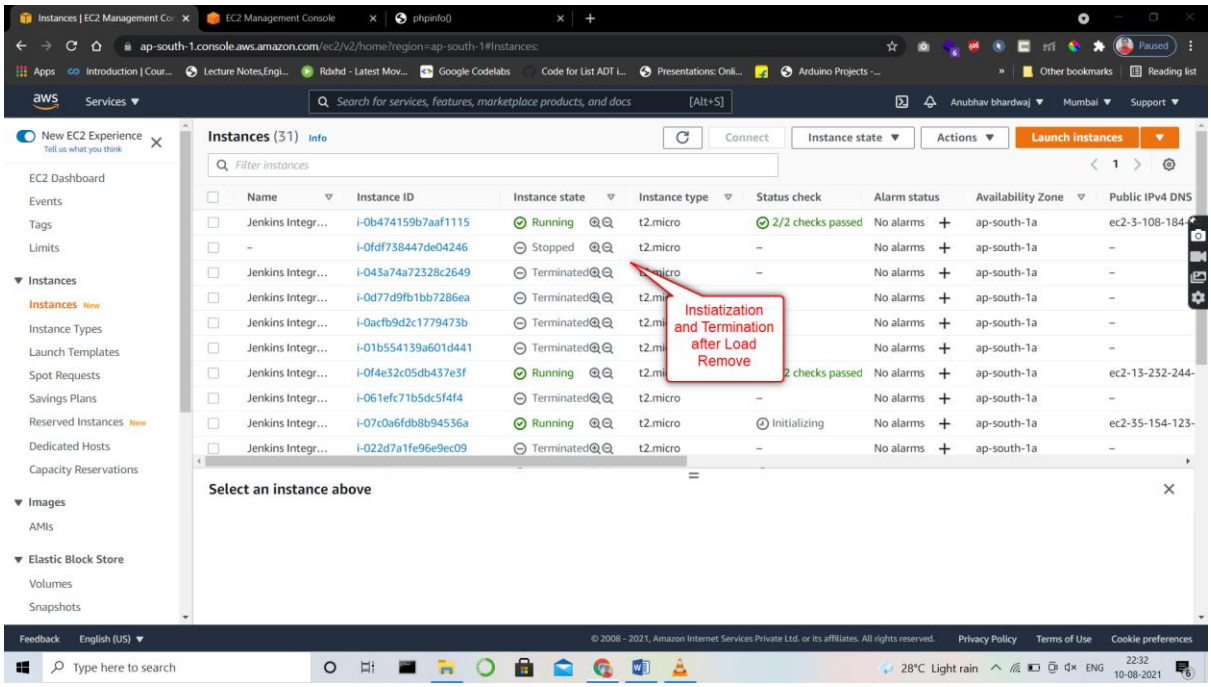
- Scaling Policies: Setup the Policy when new instance launch e.g (CPU utilization, Count of Request)



- Review and Launch



3. Go to EC-2 Dashboard and check the newly launched instance from Autoscaling Group



Thanks You