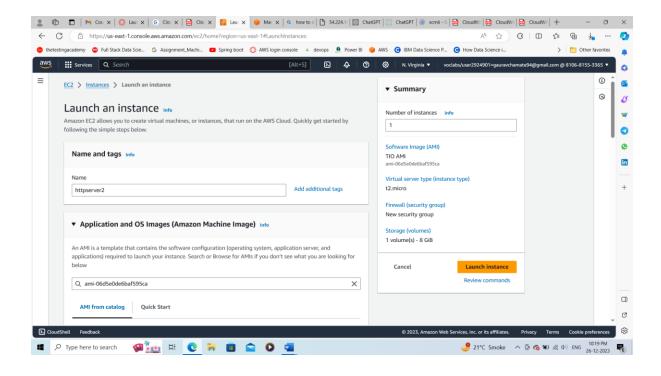
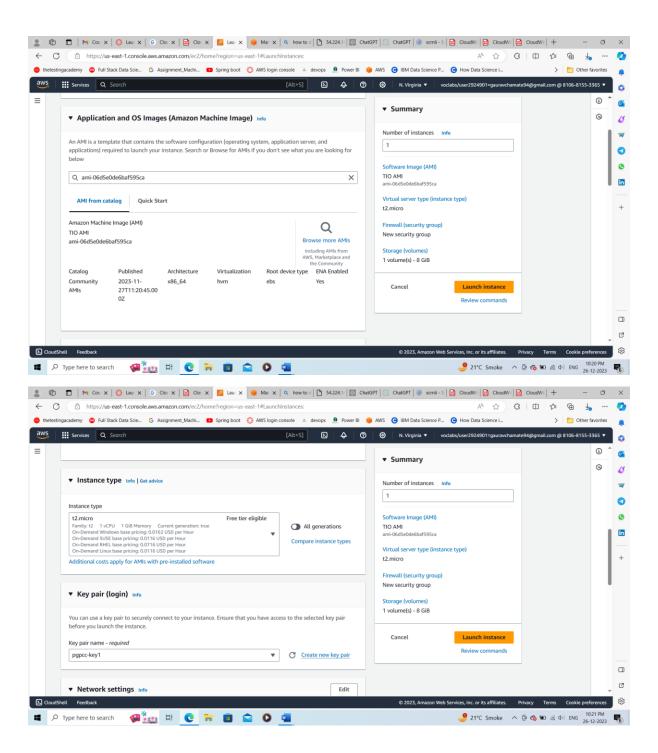
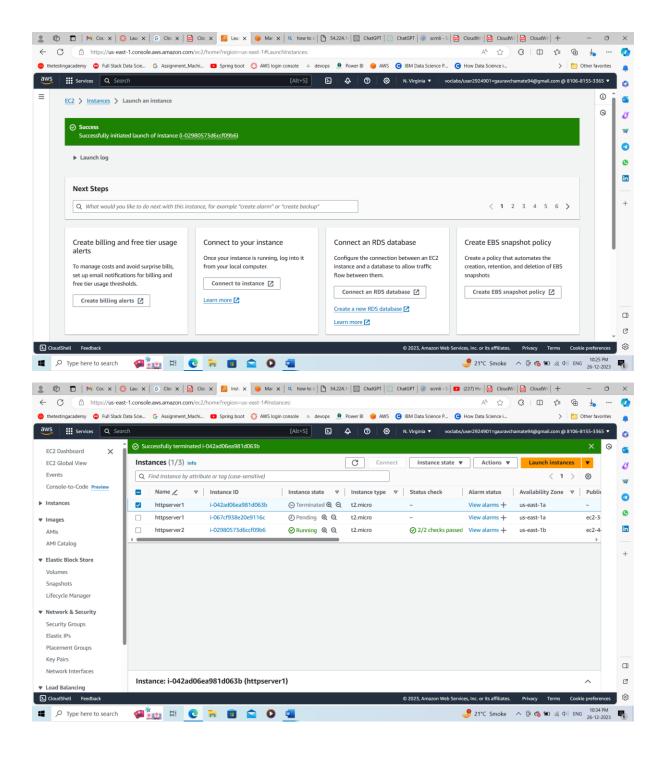
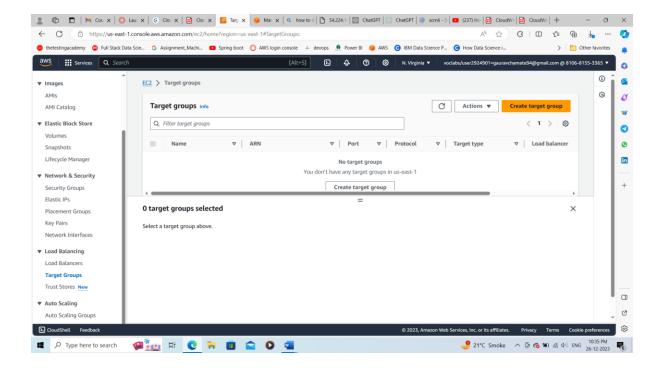
A. Hands-On: Launch two instances 1. Open the EC2 management console at https://console.aws.amazon.com/ec2/ (you will be required to sign in) 2. Ensure the region is N Virginia 3. The following steps needs to be executed twice for launching the two instances 4. Using the below parameters, create an EC2 instance using the same flow described in CloudWithAWS-TIO-1 a) Make the following changes to the EC2 instance creation pagei. Name: httpserver1 for the first instance and httpserver2 for the second instance ii. AMI: ami-06d5e0de6baf595ca iii. Instance type: t2.micro iv. Keypair: Create a new keypair called pgpcc-key1 v. VPC: Default VPC vi. Subnet: us-east-1a and us-east-1b in the drop down for the two instances vii. Security groups: Create a security group using the following values for both the instances – 1. Security Group Name: private-sg 2. Description: Opens security groups for ssh and http 3. A rule for SSH is already added, click on the Add Rule button to add the second rule for this security group using the following values - a) Type: HTTP b) Port Range: 80 c) Source Type: Anywhere 2 Try it out! PGP in Cloud Computing viii. Storage: No changes are required here 5. Confirm there are two EC2 instances running in two different availability zones with the http page working when accessing the public IP address



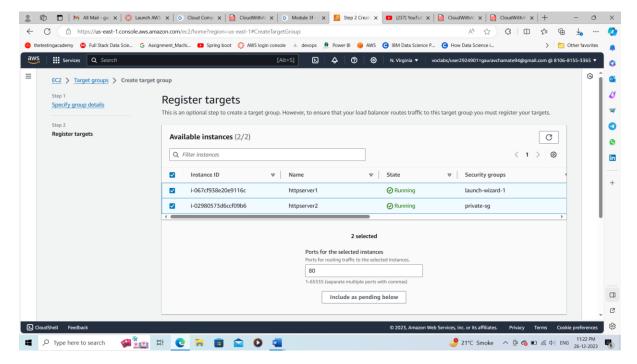


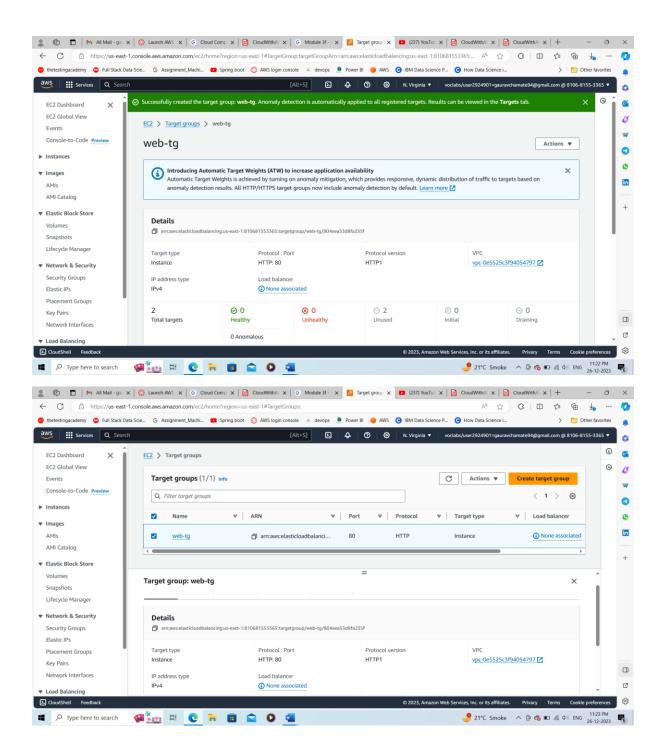


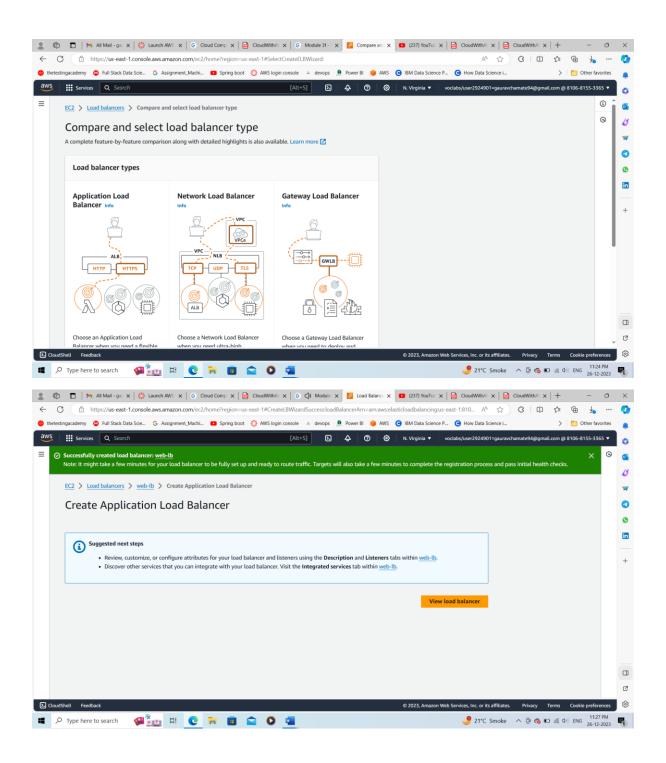
- B. Hands-on: Create a Target Group (TG) 1. Go to the EC2 management console at https://console.aws.amazon.com/ec2/
- 2. Ensure the region is N Virginia
- 3. In the left navigation, under Load Balancing, choose Target Groups

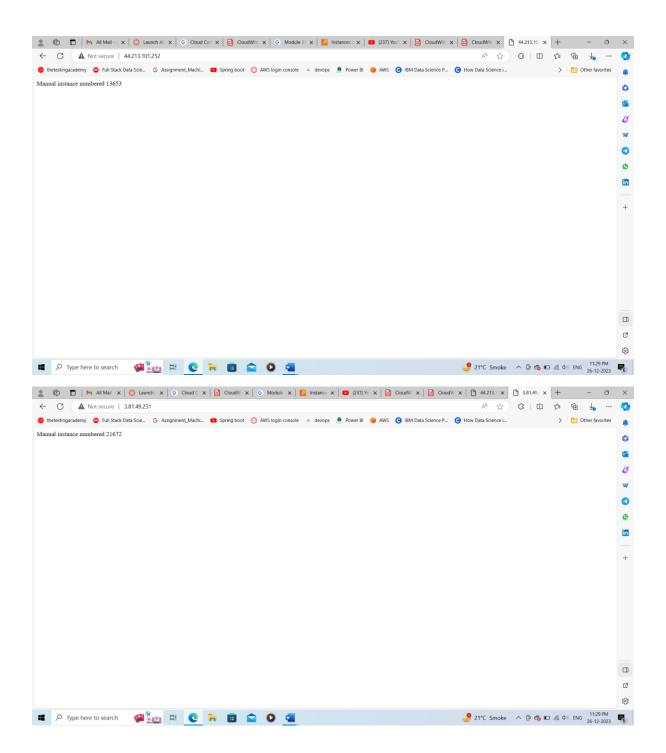


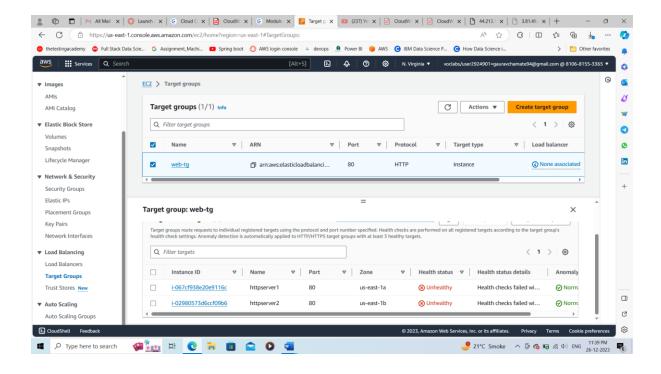
- 4. Click on the Create target group button (right side top of the screen)
- 5. Under Basic configuration "card", keep the Target type as instance
- 6. In the Target group name field paste the following value











D. Hands-On: Cleaning up! 1. Go back to the browser tab EC2 management console 2. Visit the load balancer page and delete it 3. Visit the target groups page and delete the TG 4. Terminate both the EC2 instances

