IT4090
Cloud Computing
4th Year, 1st Semester

Assignment 3

Submitted to

Sri Lanka Institute of Information Technology

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In partial fulfillment of the requirements for the

Bachelor of Science Special Honors Degree in Information Technology

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Table of Contents

Table of Figures

1. Architectural diagram

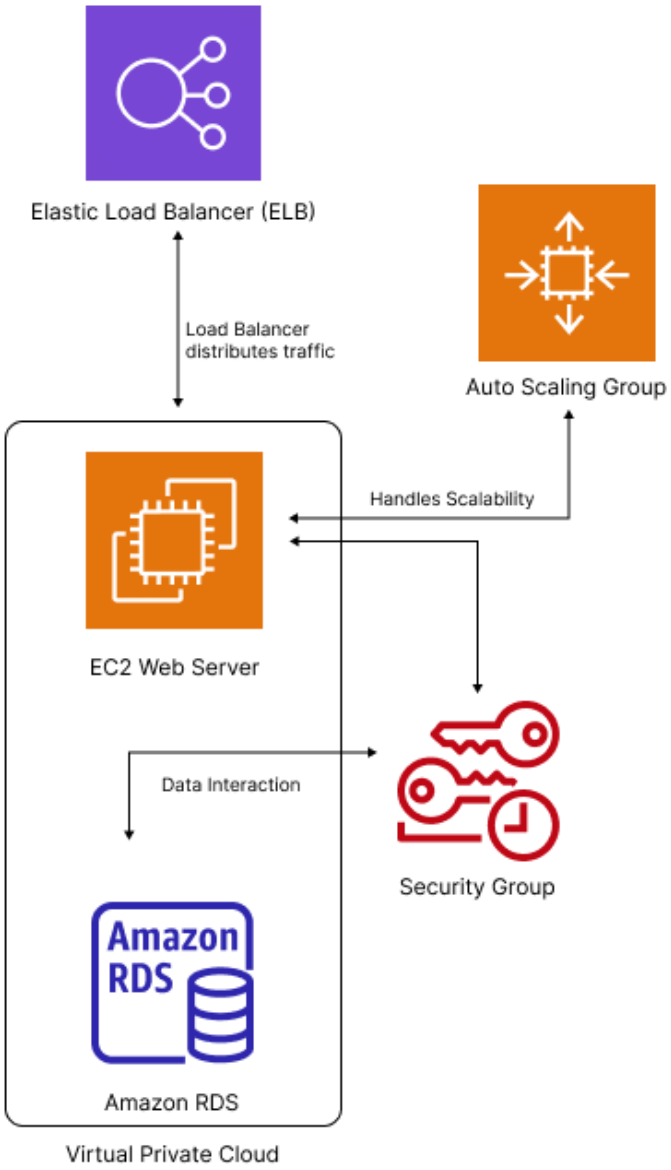

Figure 1. 1: AWS architecture diagram

2. Create VPC

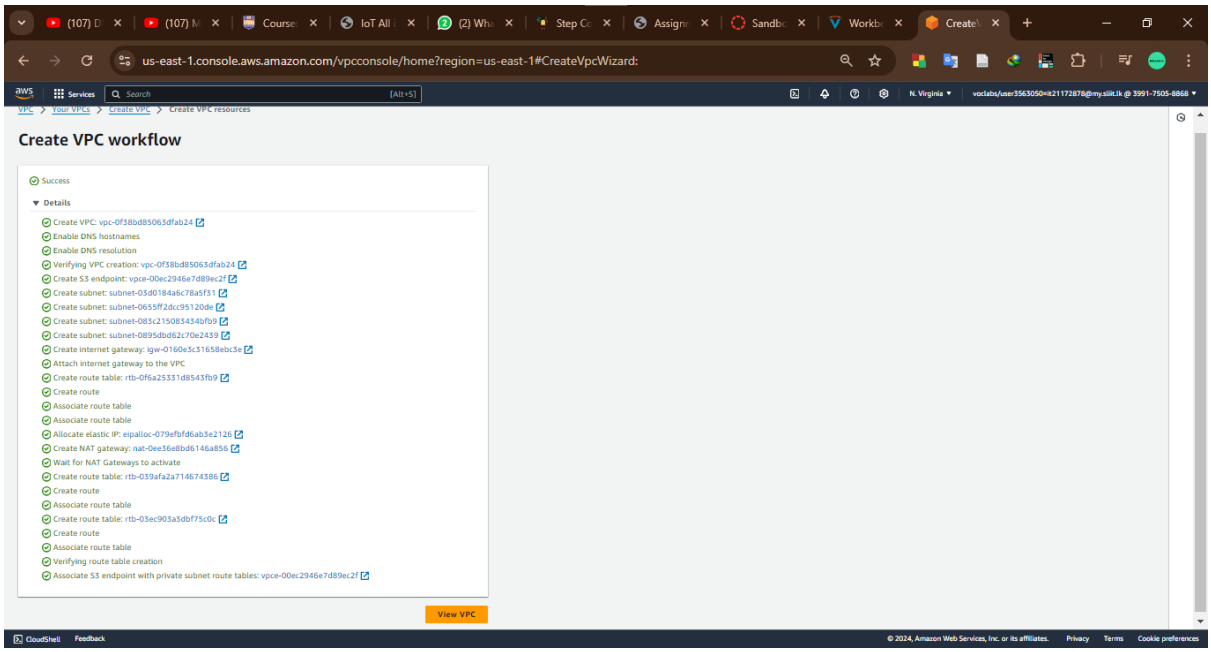

Figure 2. 1: Create VPC successful

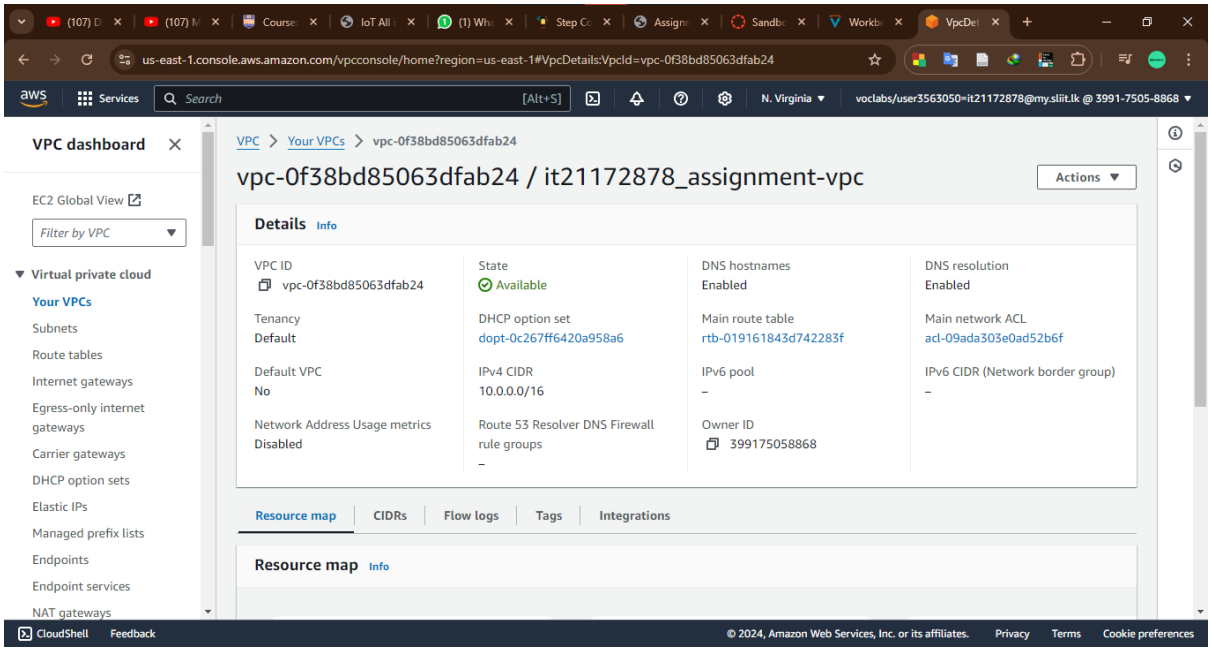

Figure 2. 2: Created VPC's dashboard

3. Launch an instance

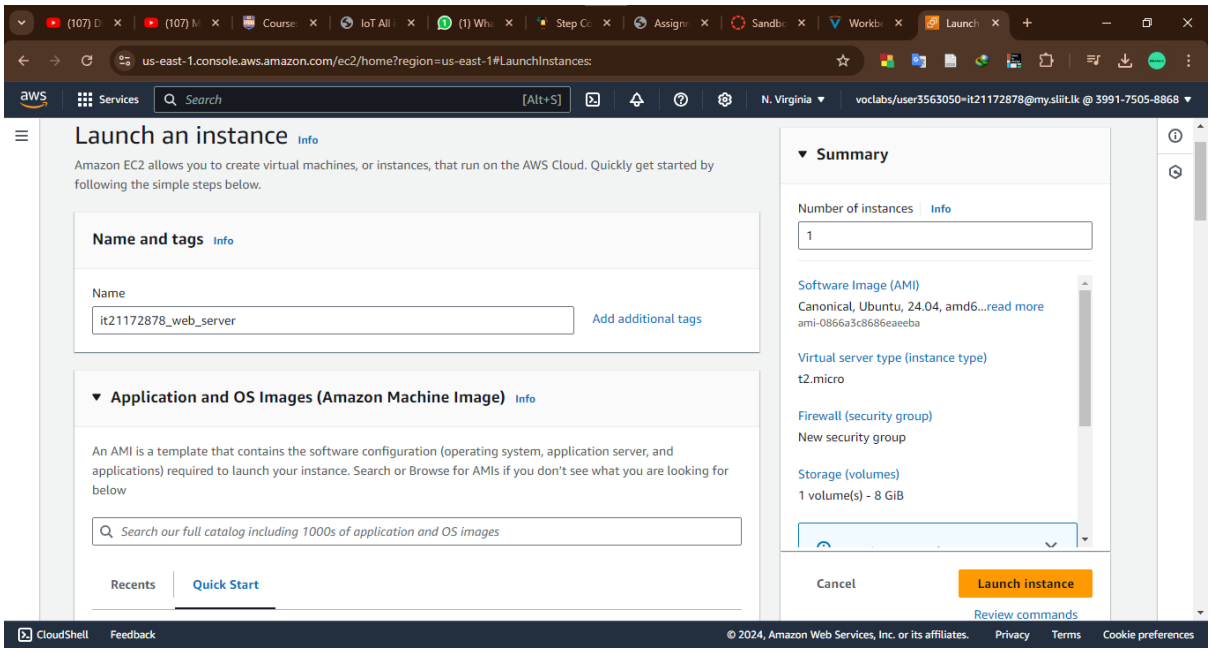

Figure 3. 1: Give name for instance

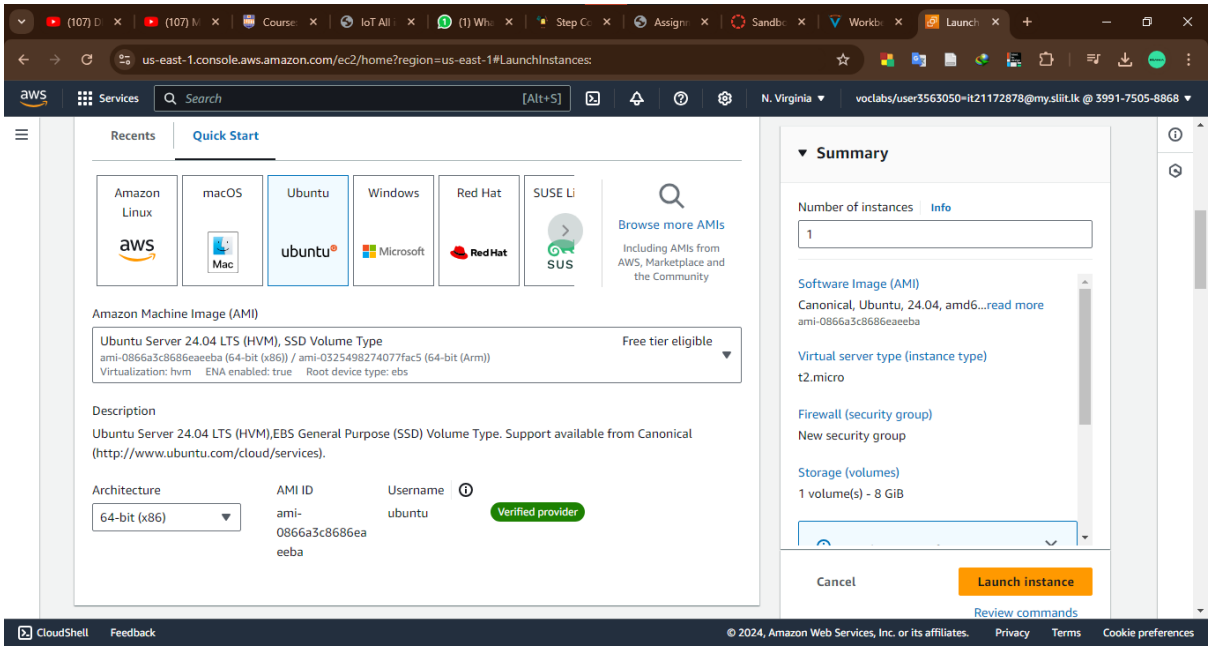

Figure 3. 2: Select Ubuntu OS and AMI

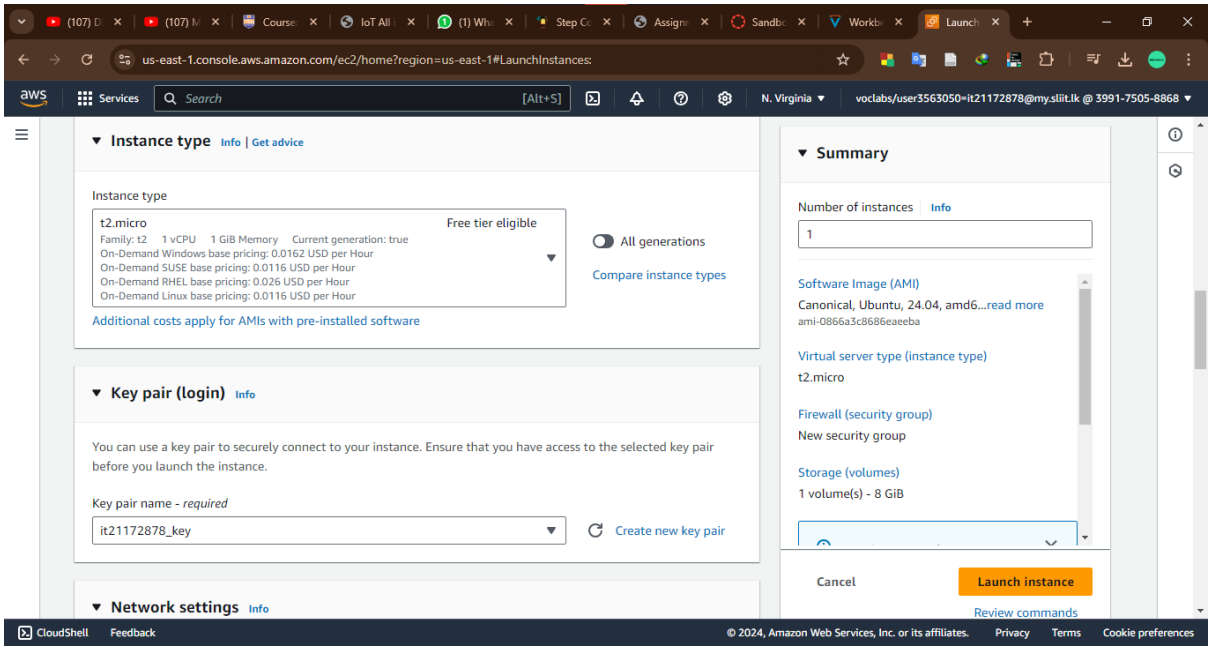

Figure 3. 3: Select instance type

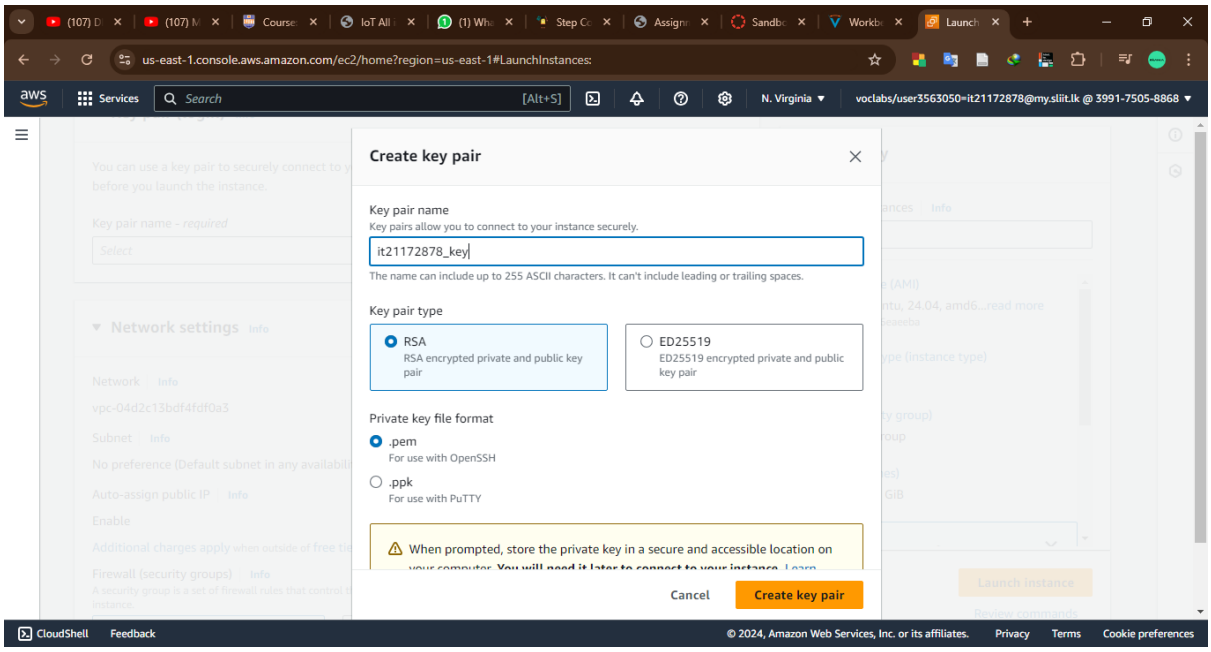

Figure 3. 4: Create new key pair

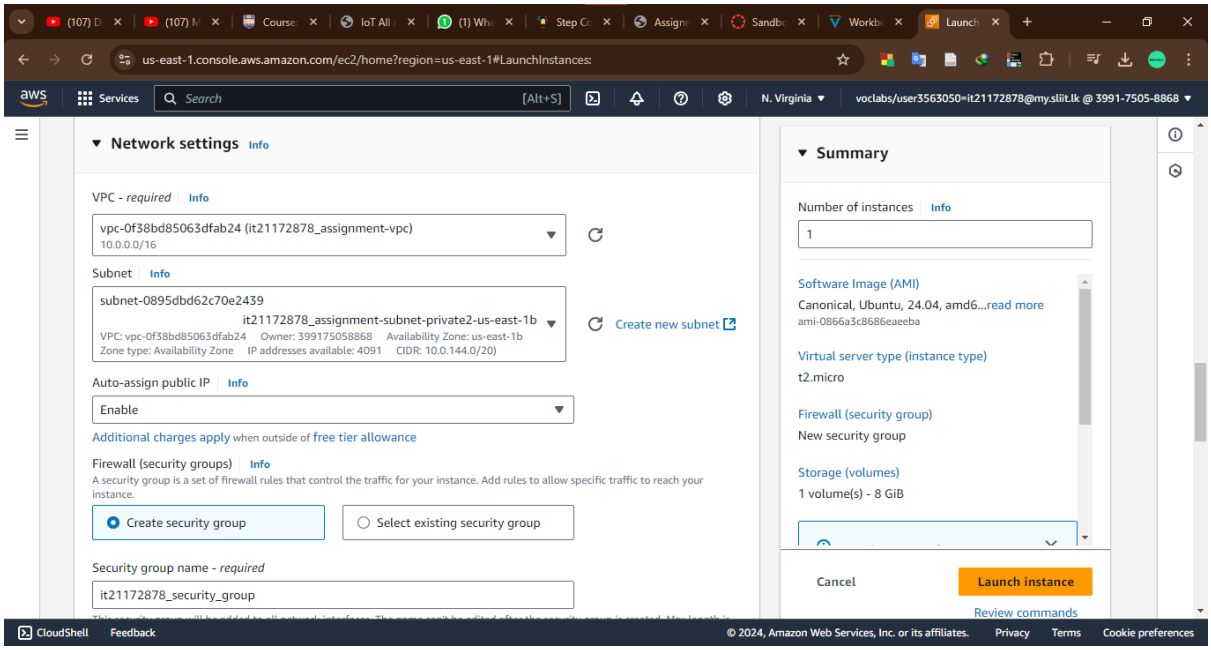

Figure 3. 5: Select VPC, subnet and enable auto assign public IP. Give some name for security group name

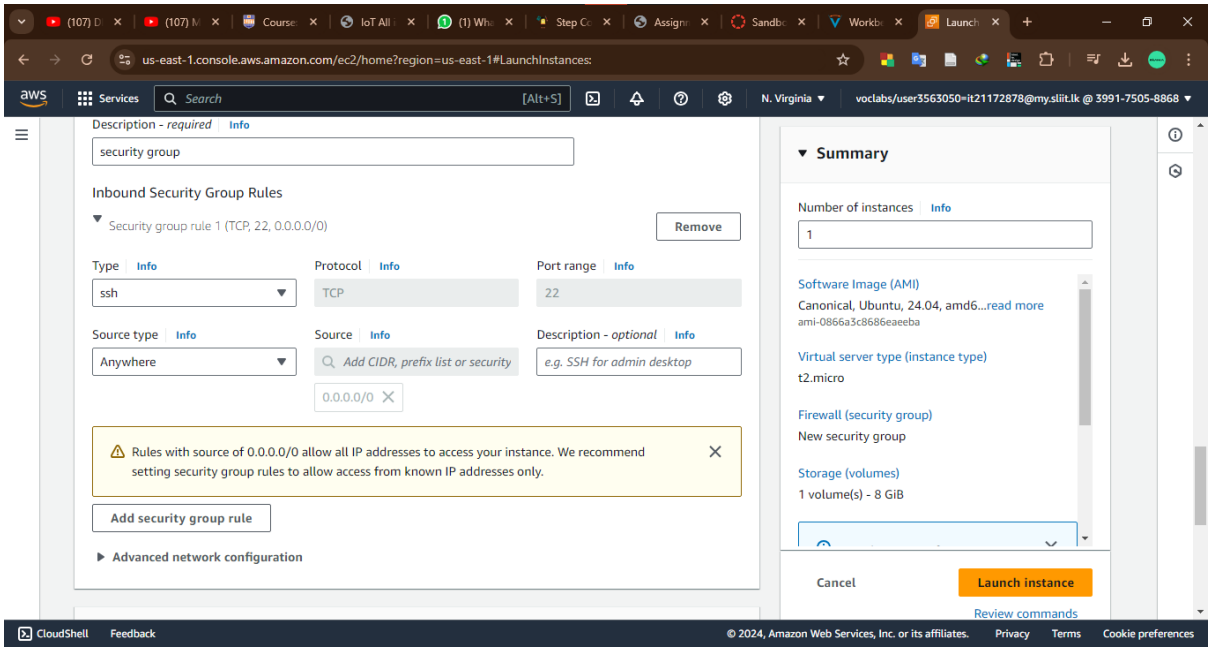

Figure 3. 6: Select source type

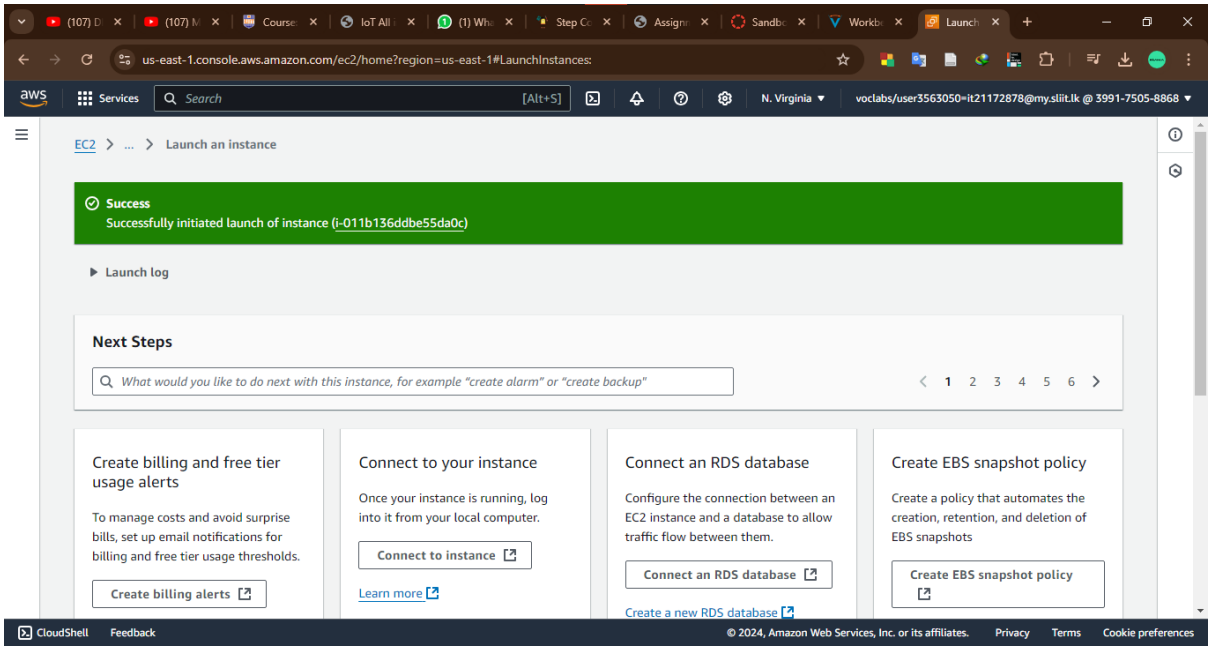

Figure 3. 7: Instance created successfully

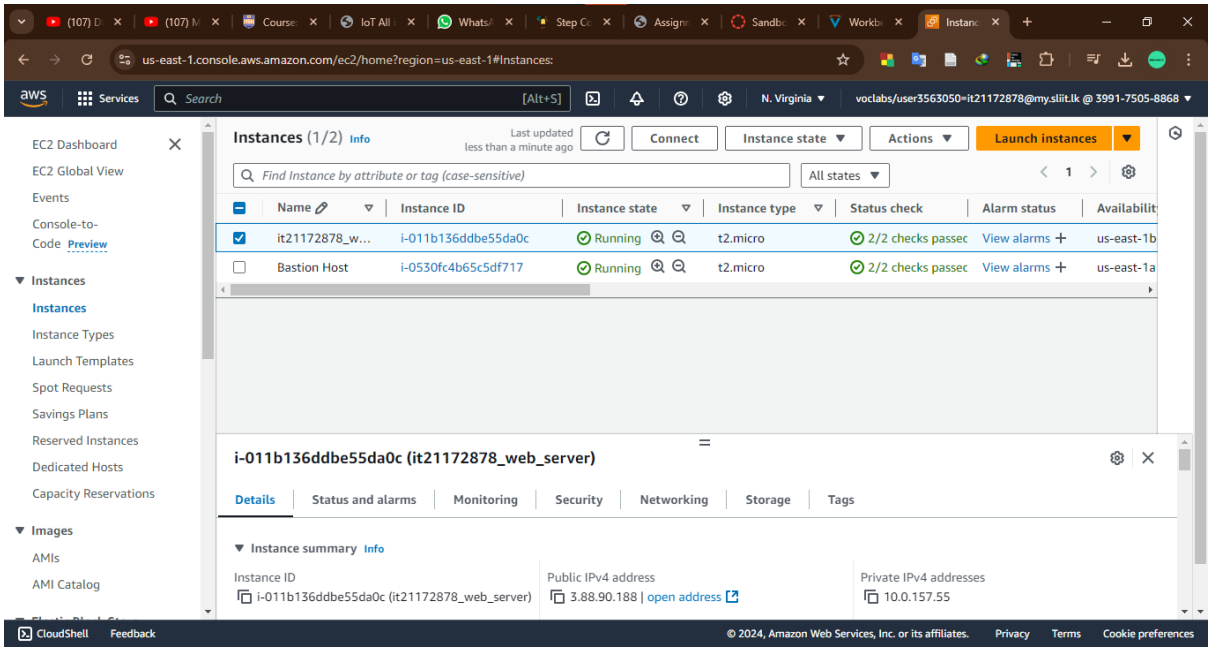

Figure 3. 8: Created instance running and check passed

4. Create load balancer

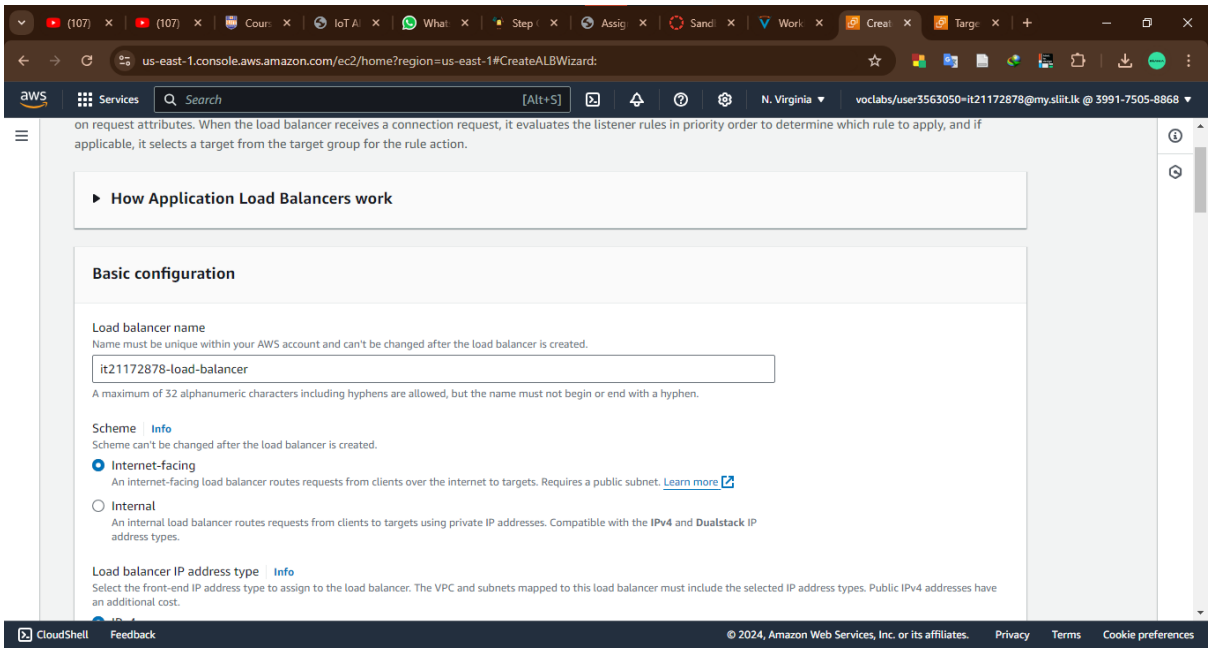

Figure 4. 1: Give a name for load balancer

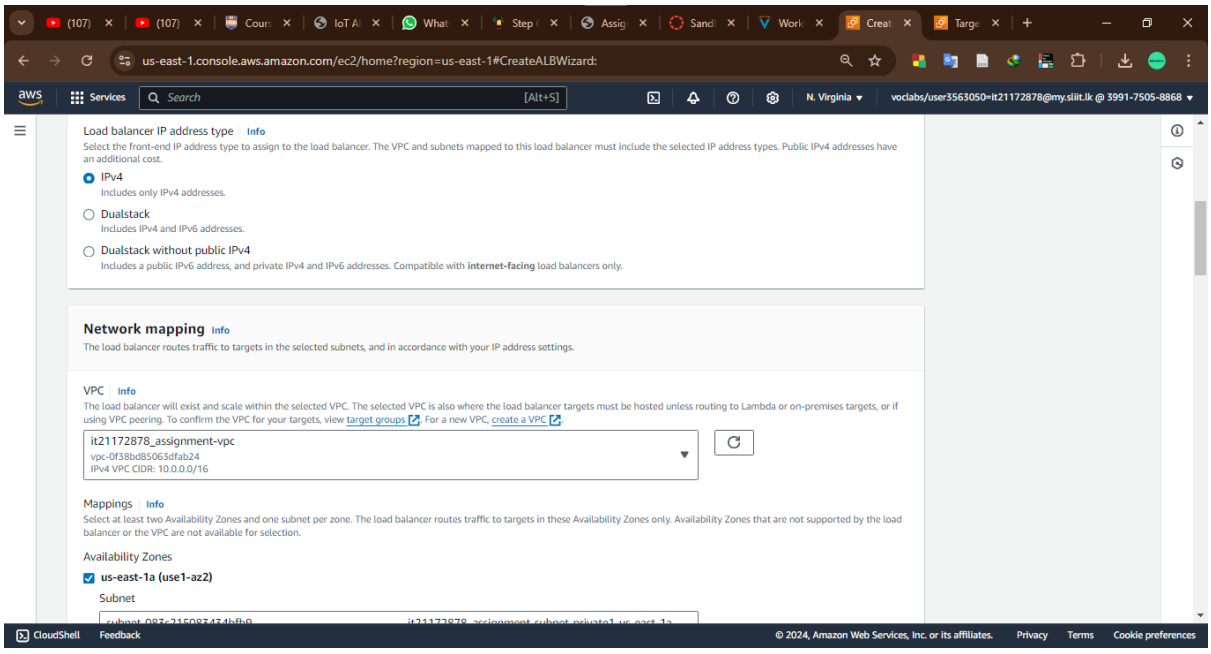

Figure 4. 2: Select created VPC

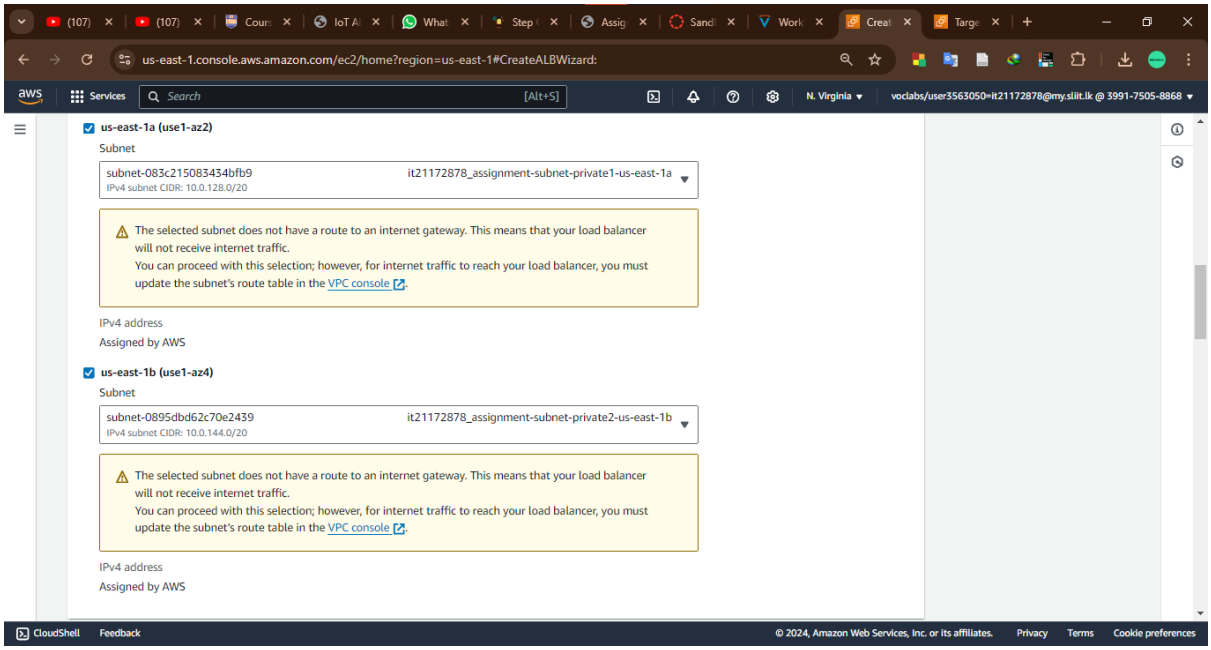

Figure 4. 3: Choose us-east-1a and 1b

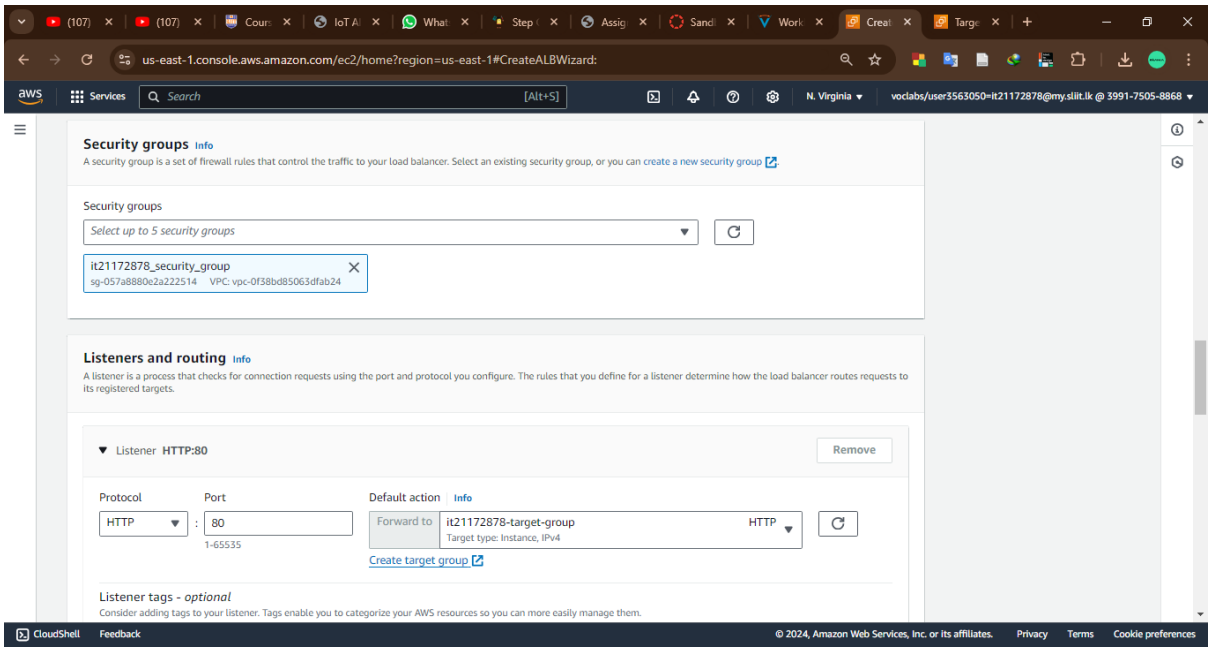

Figure 4. 4: Select security group and created target group

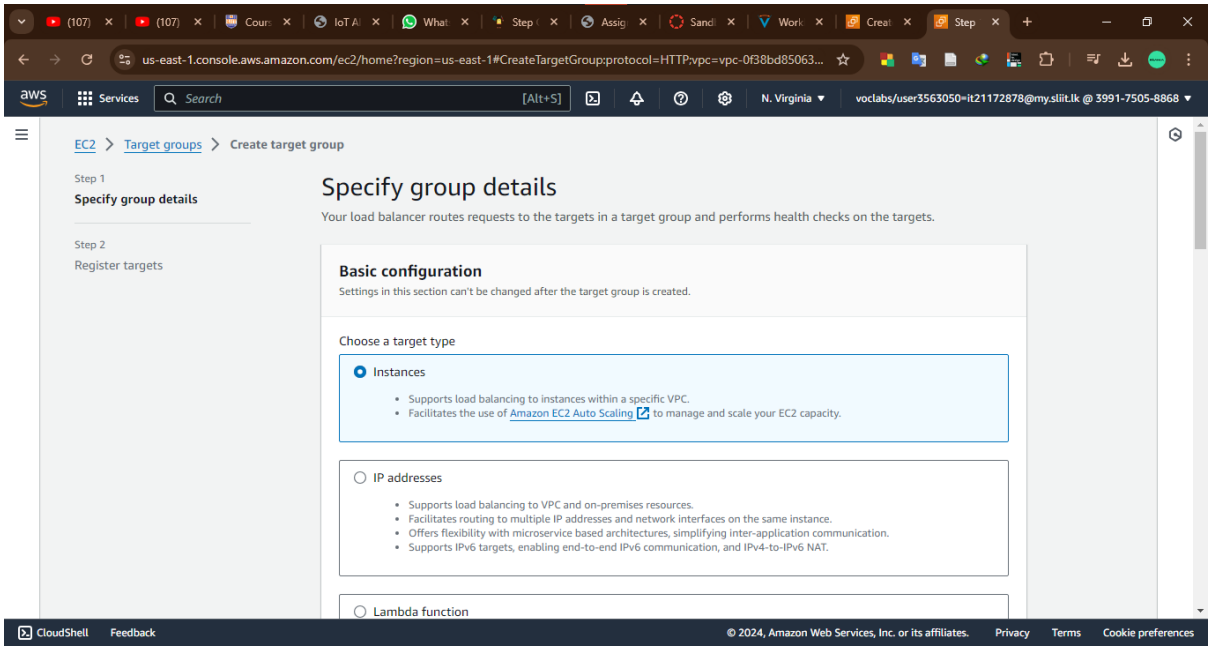

Figure 4. 5: Create new target group with instances for load balancer

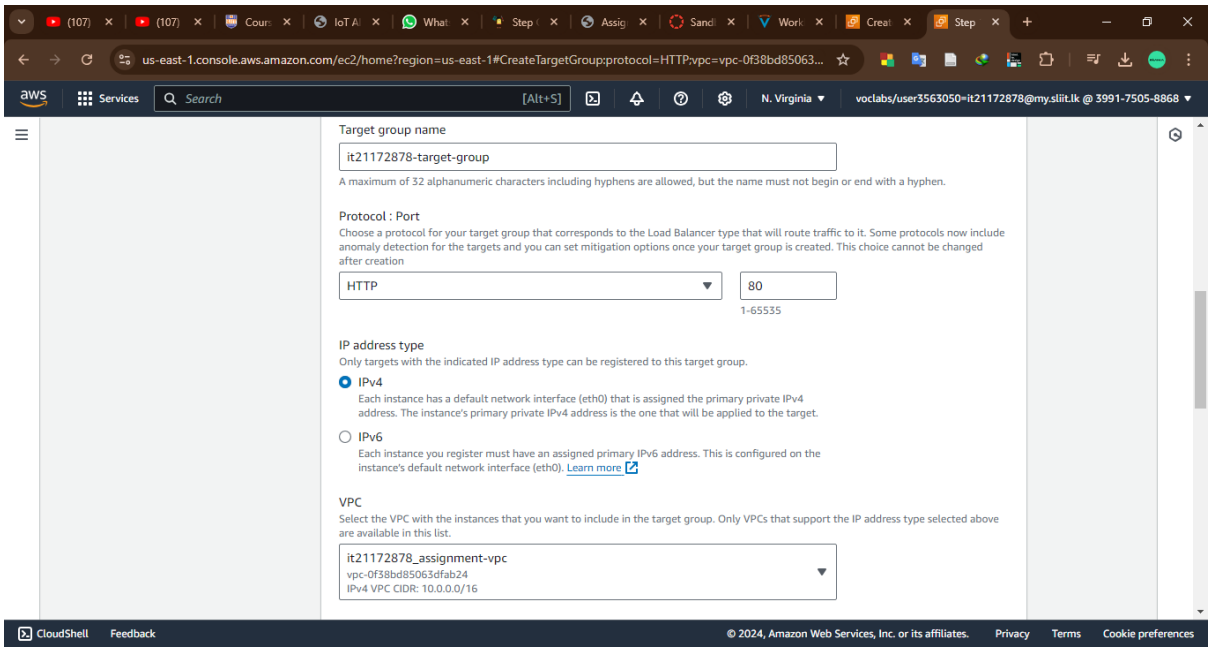

Figure 4. 6: Create name for target group. Select HTTP and VPC

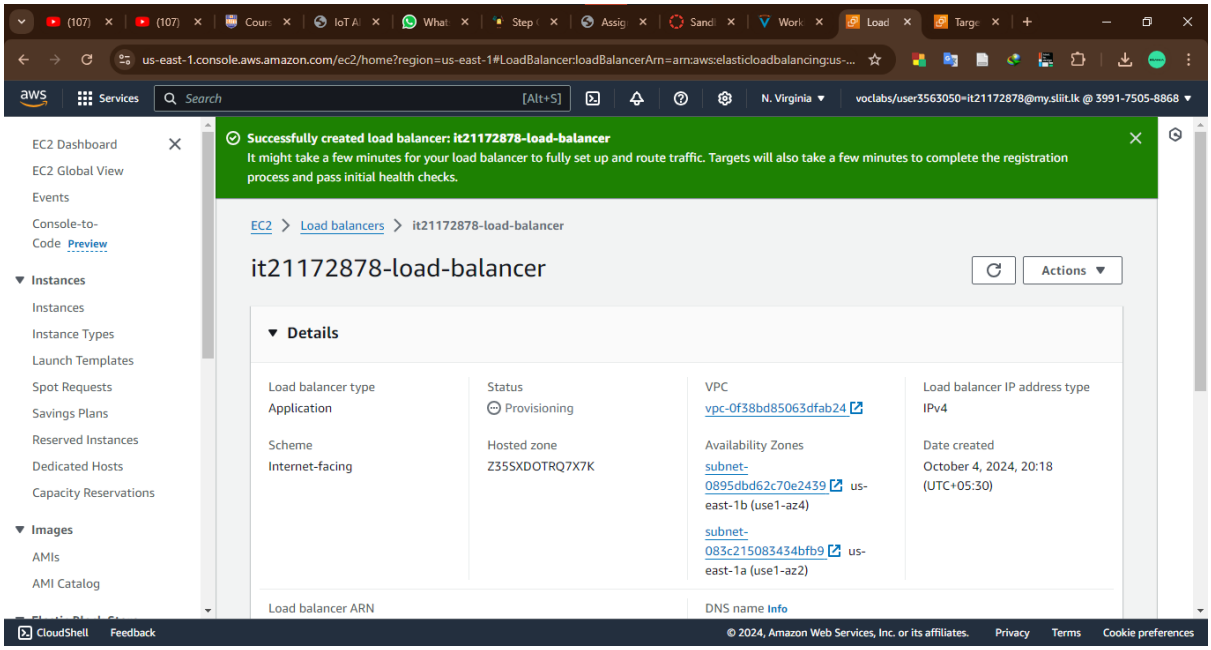

Figure 4. 7: Successfully created load balancer

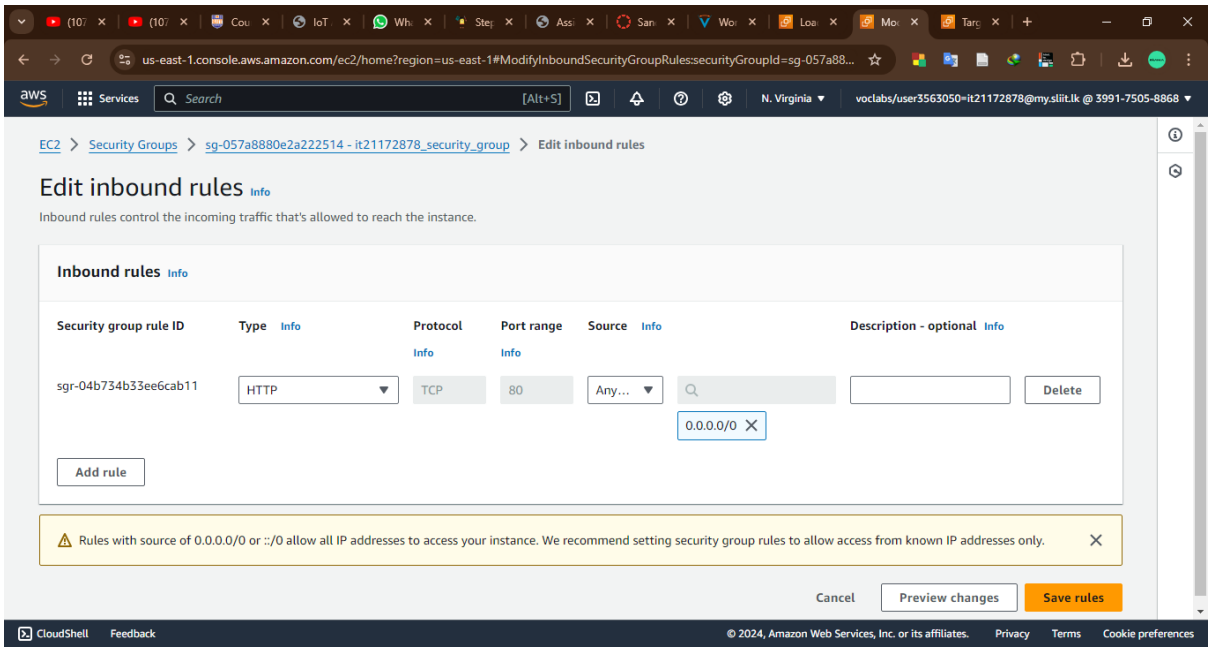

Figure 4. 8: Edit inbound rule with HTTP and Anywhere

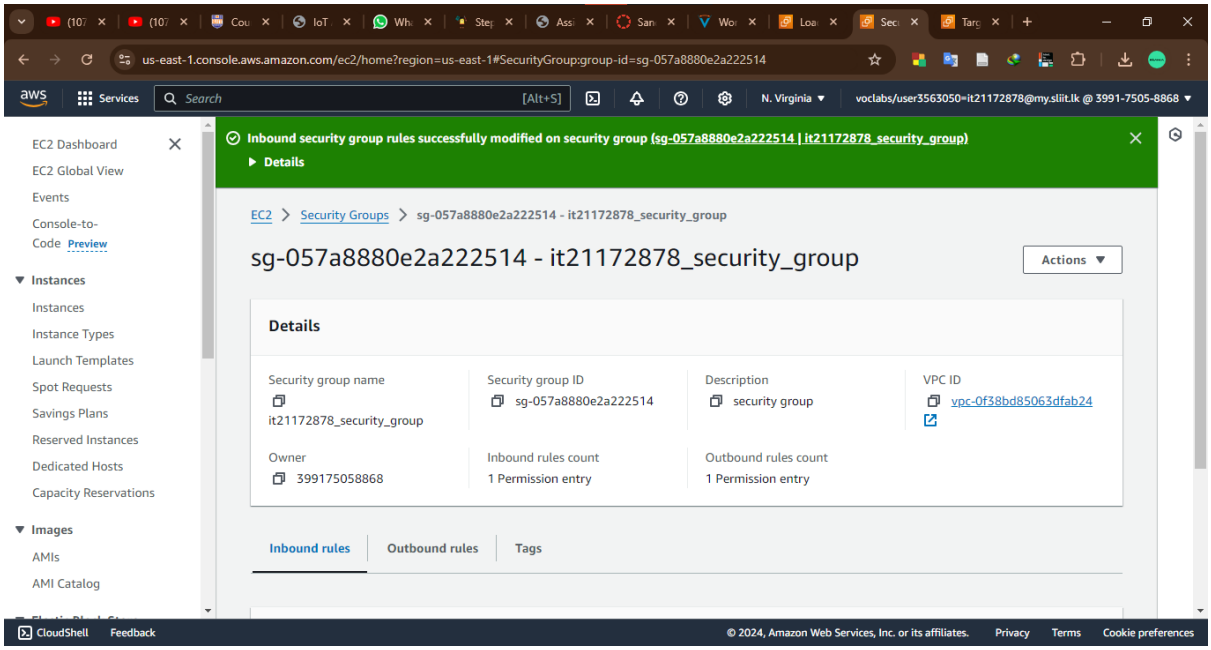

Figure 4. 9: Successfully created inbound security group rule

5. Create Image

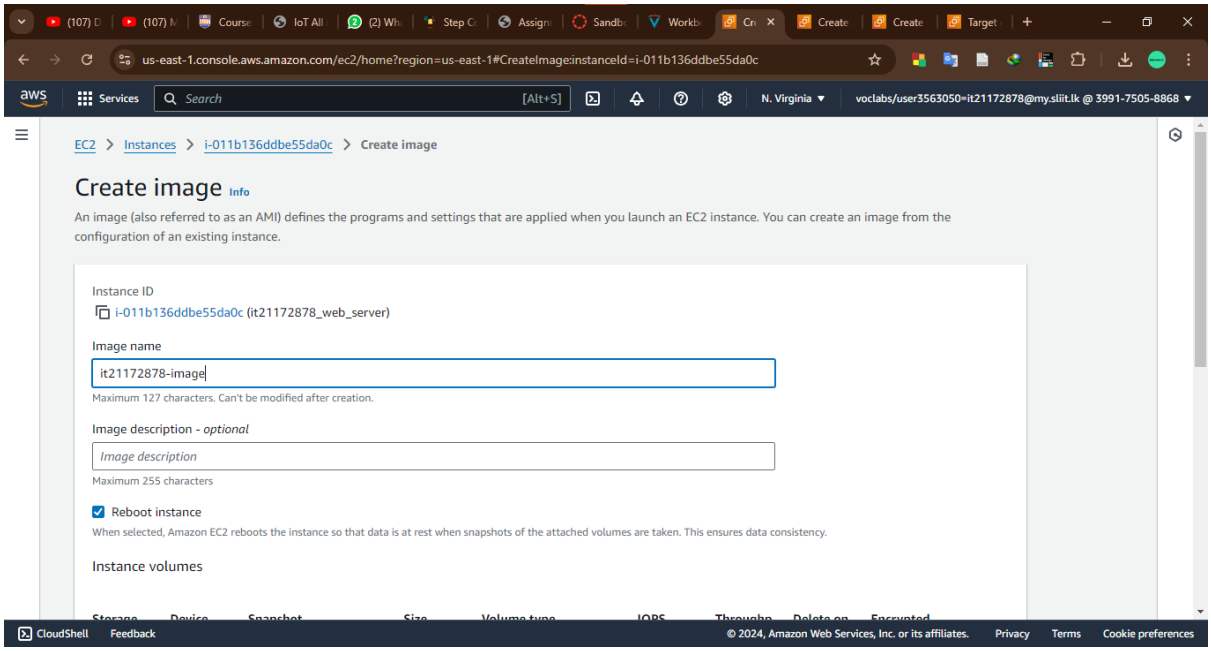

Figure 5. 1: Give a name for image

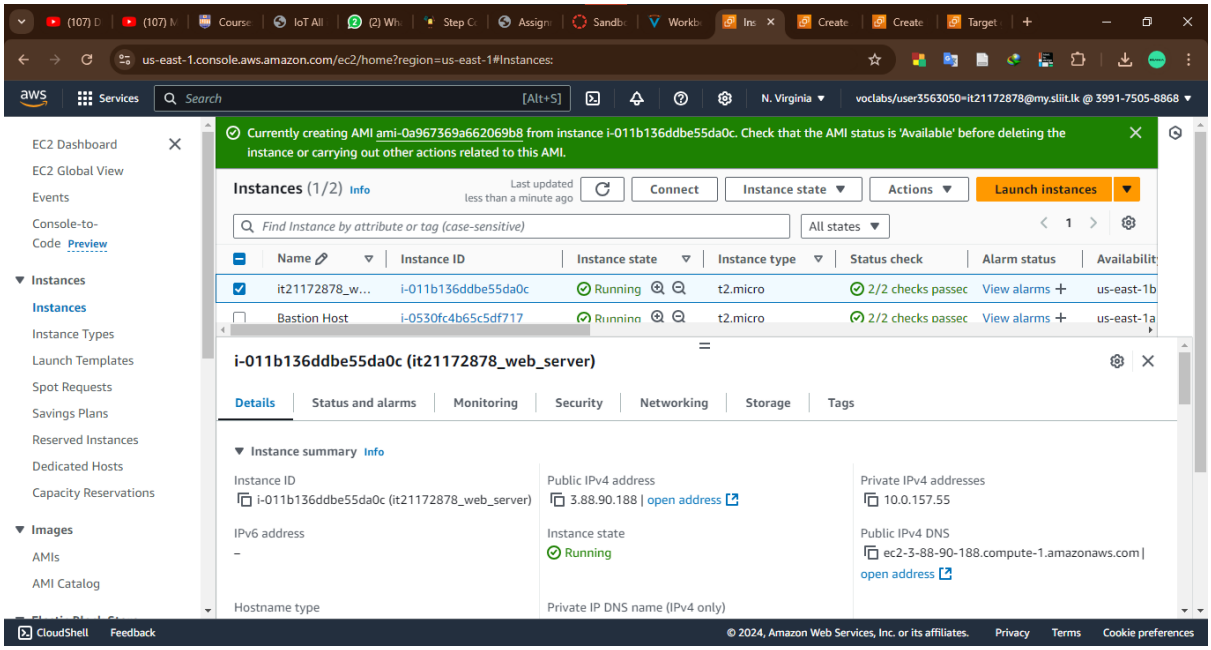

Figure 5. 2: Image created successful

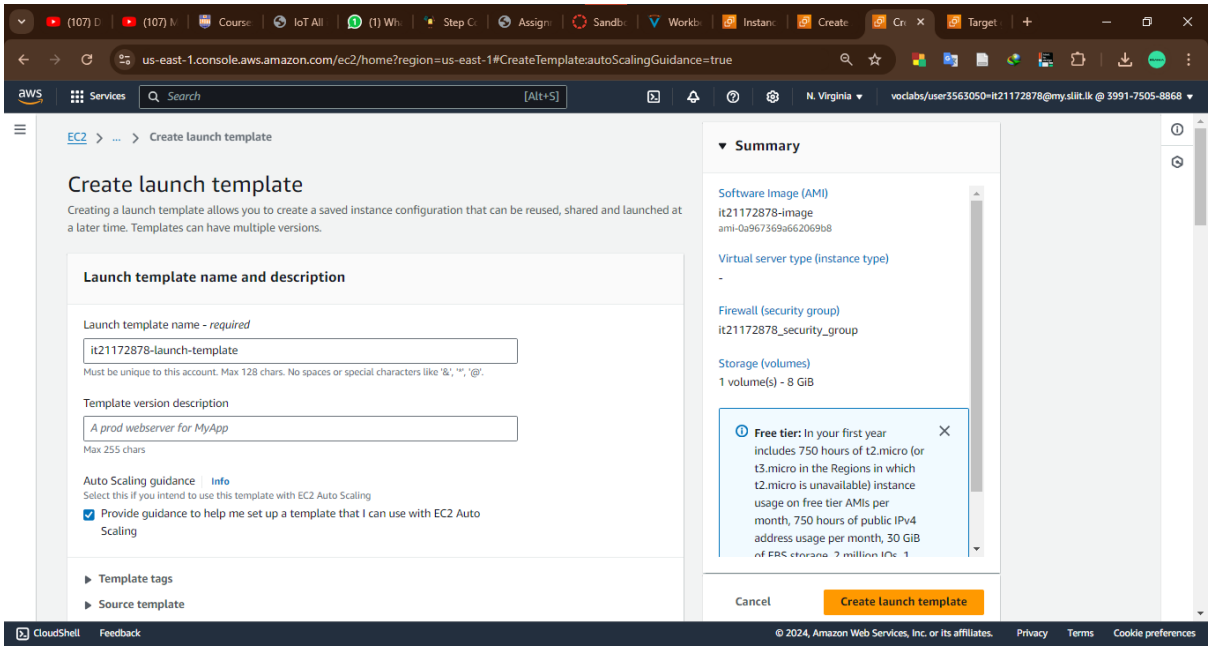

Figure 5. 3: Give a name for launch template

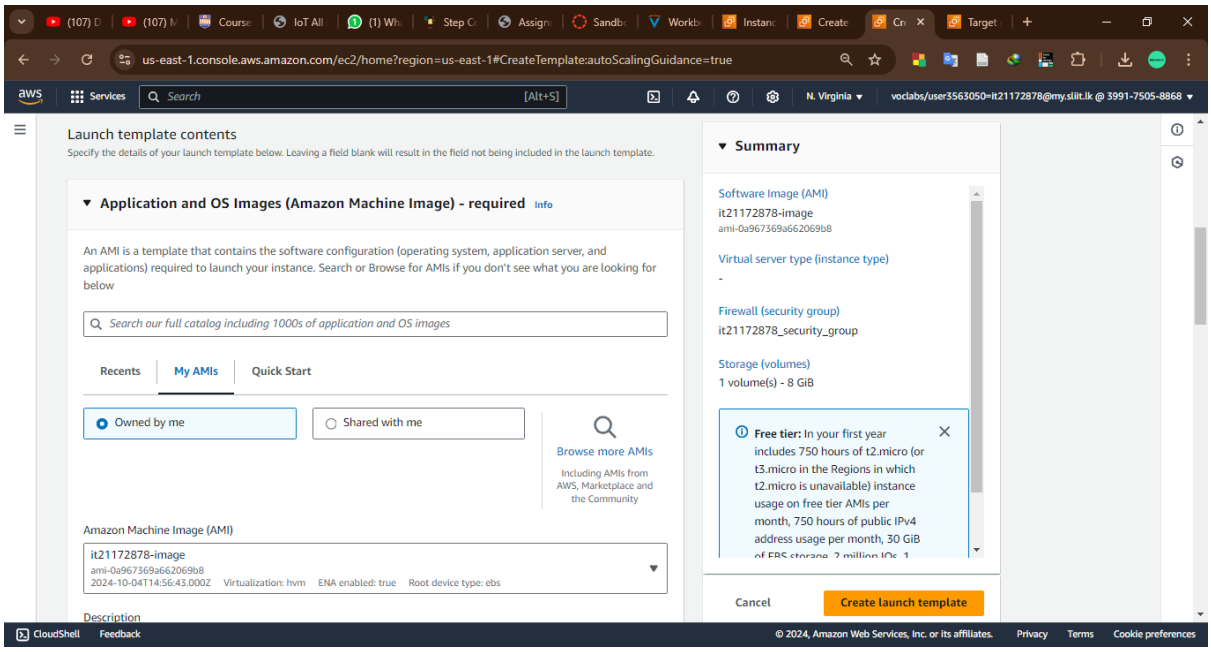

Figure 5. 4: Select own by me and created AMI

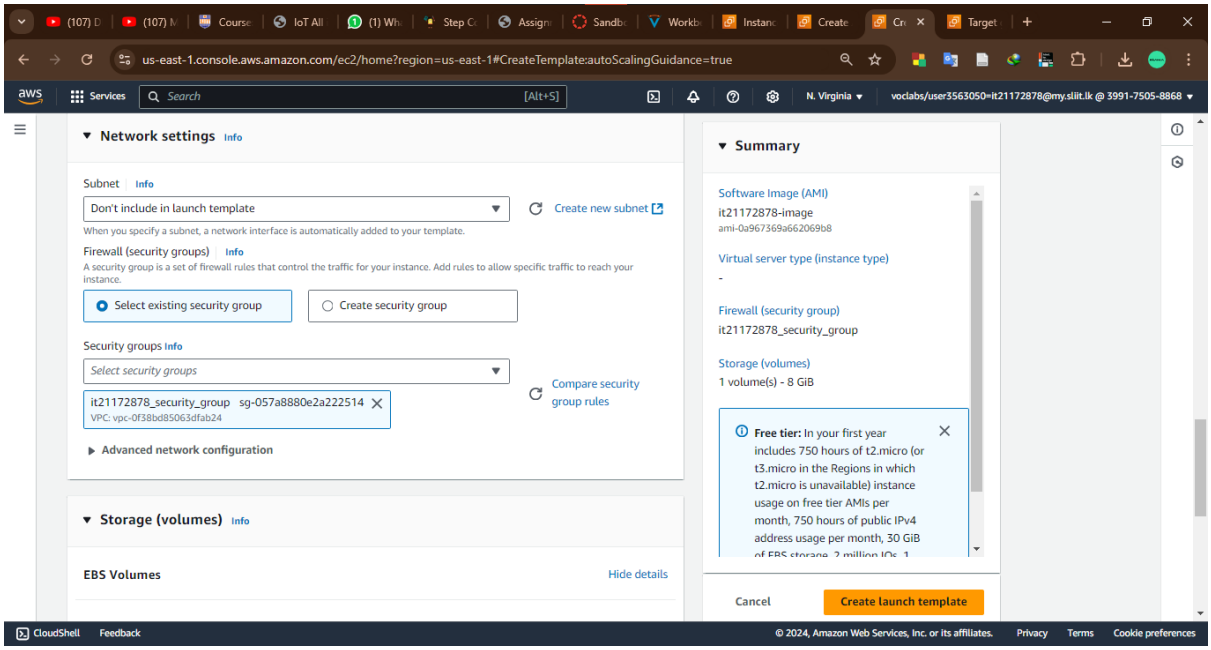

Figure 5. 5: Select security group

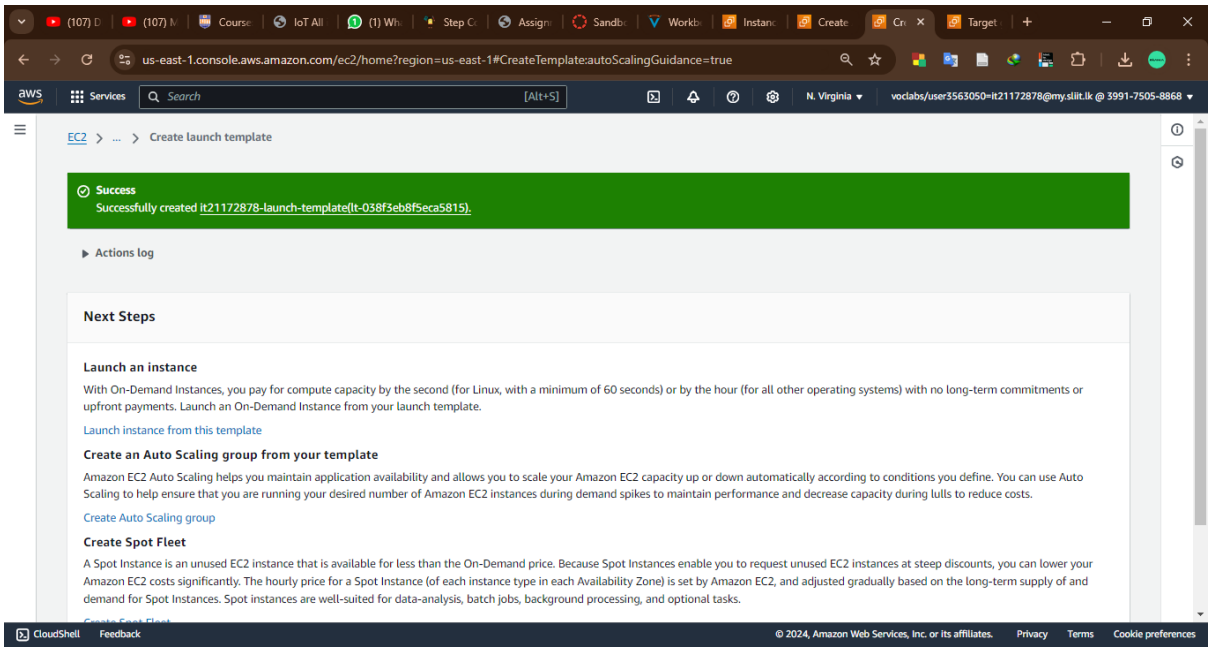

Figure 5. 6: Launch template created successfully

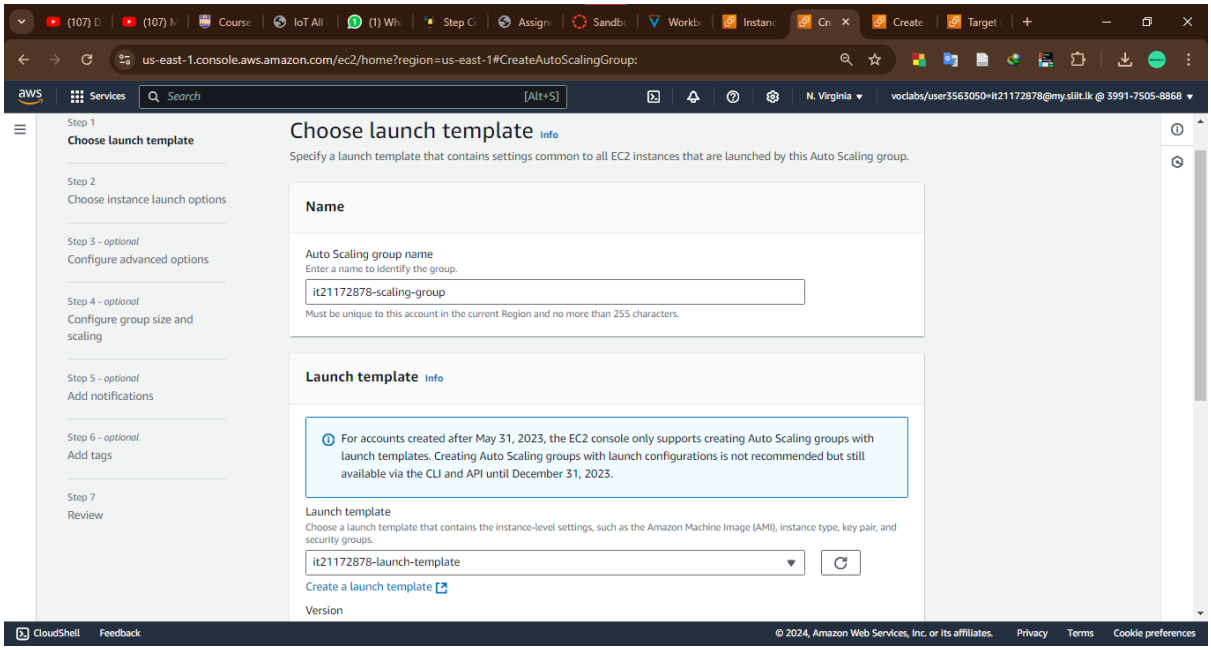

Figure 5. 7: Give a name for scaling group and choose launch template

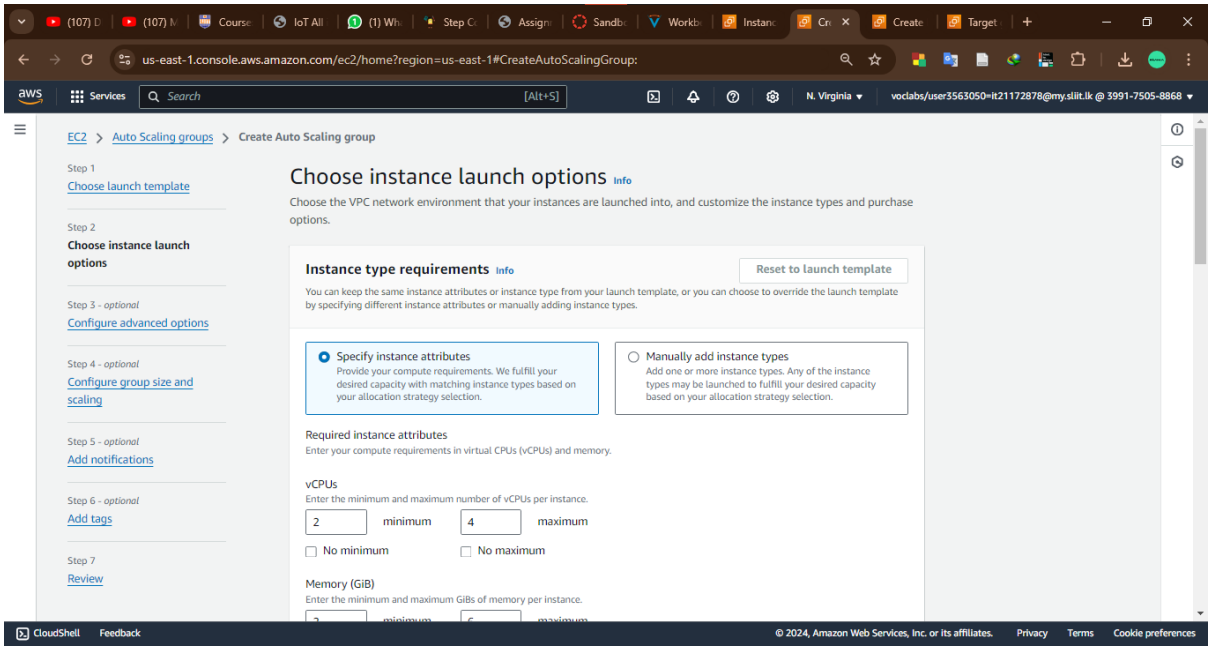

Figure 5. 8: Set minimum and maximum for VCPUs

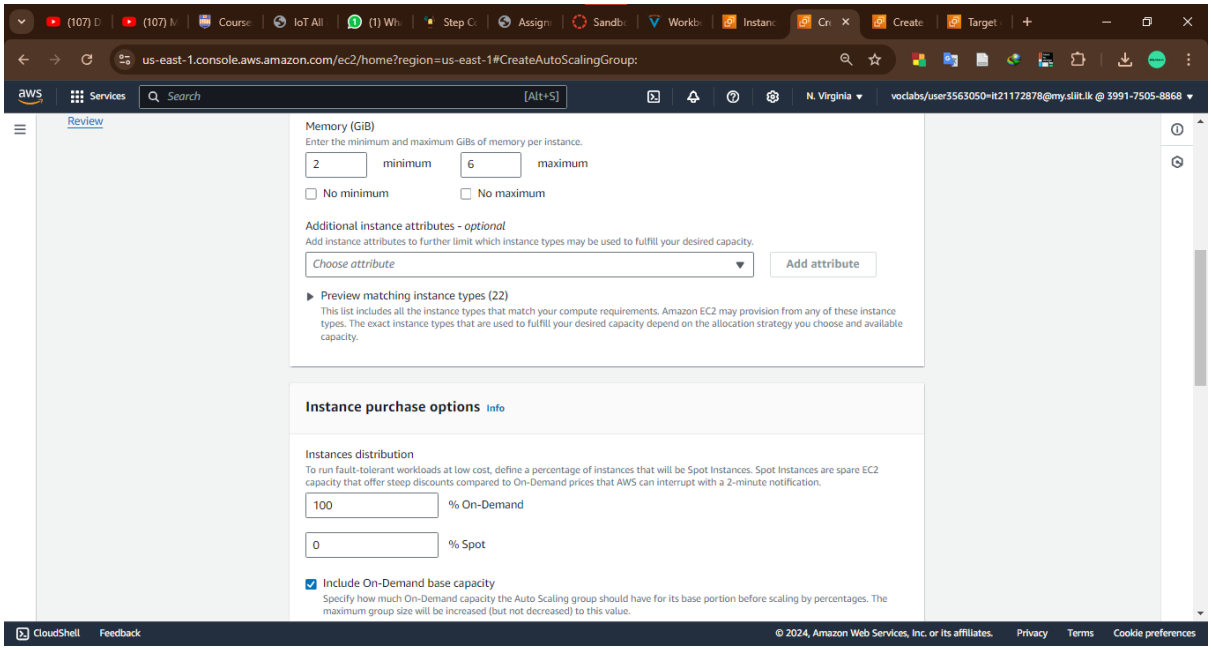

Figure 5. 9: Set minimum and maximum for memory

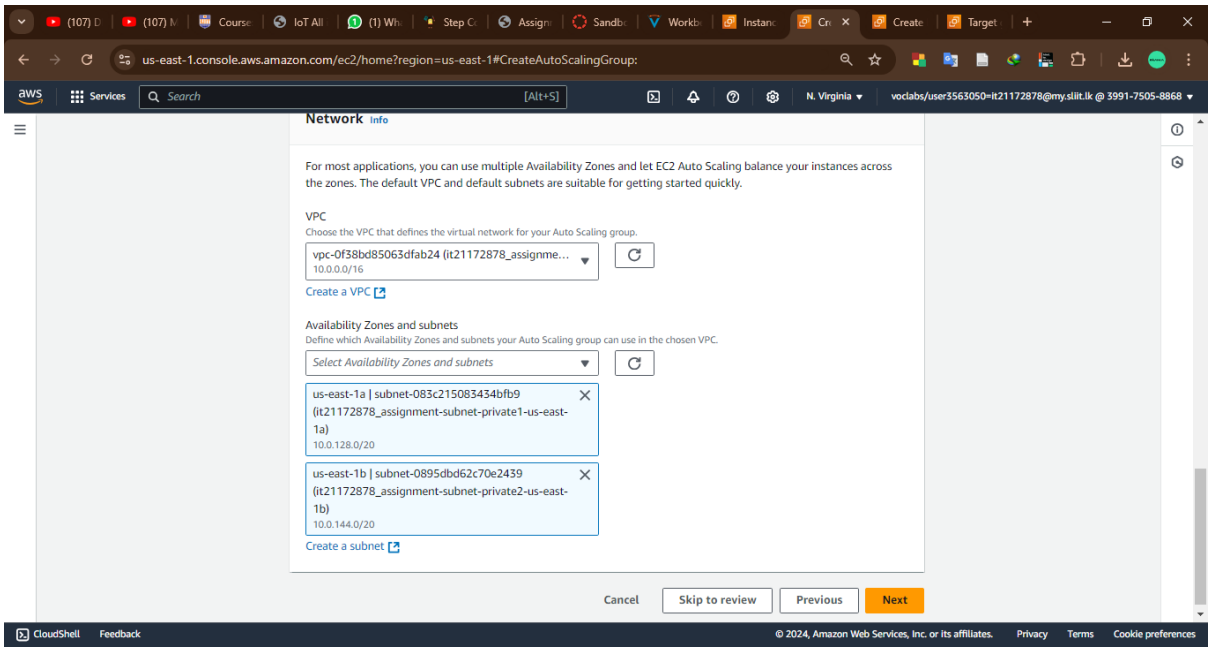

Figure 5. 10: Select network VPC and availability zones and subnets

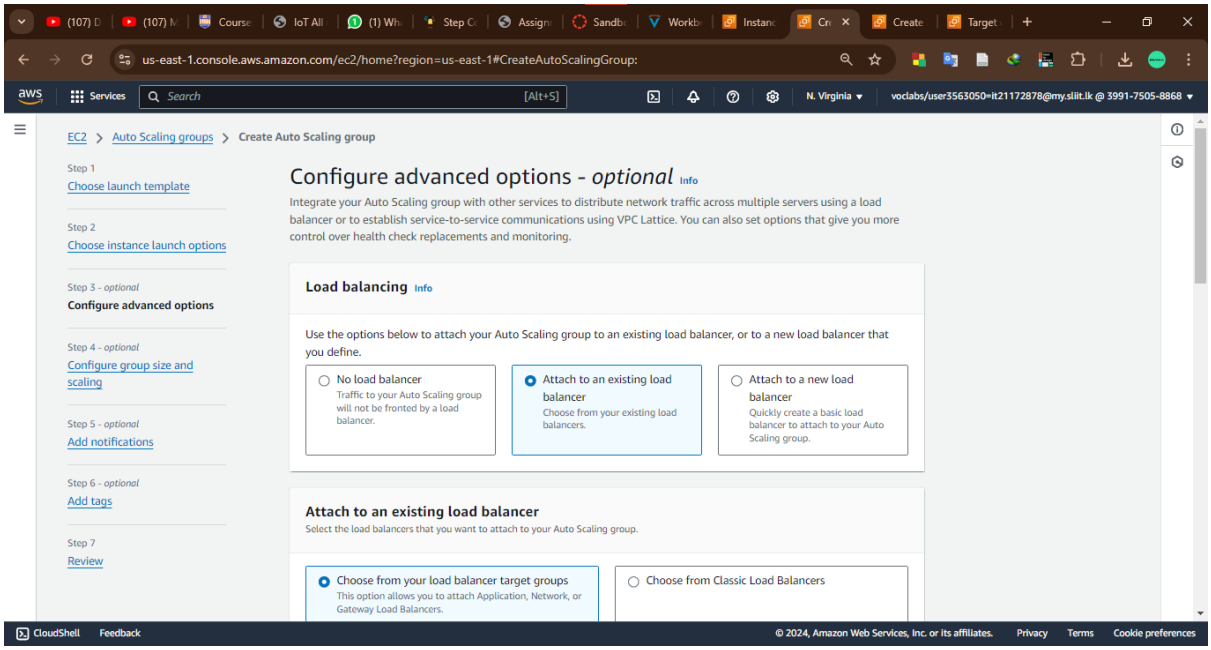

Figure 5. 11: Select attach to an existing load balancer

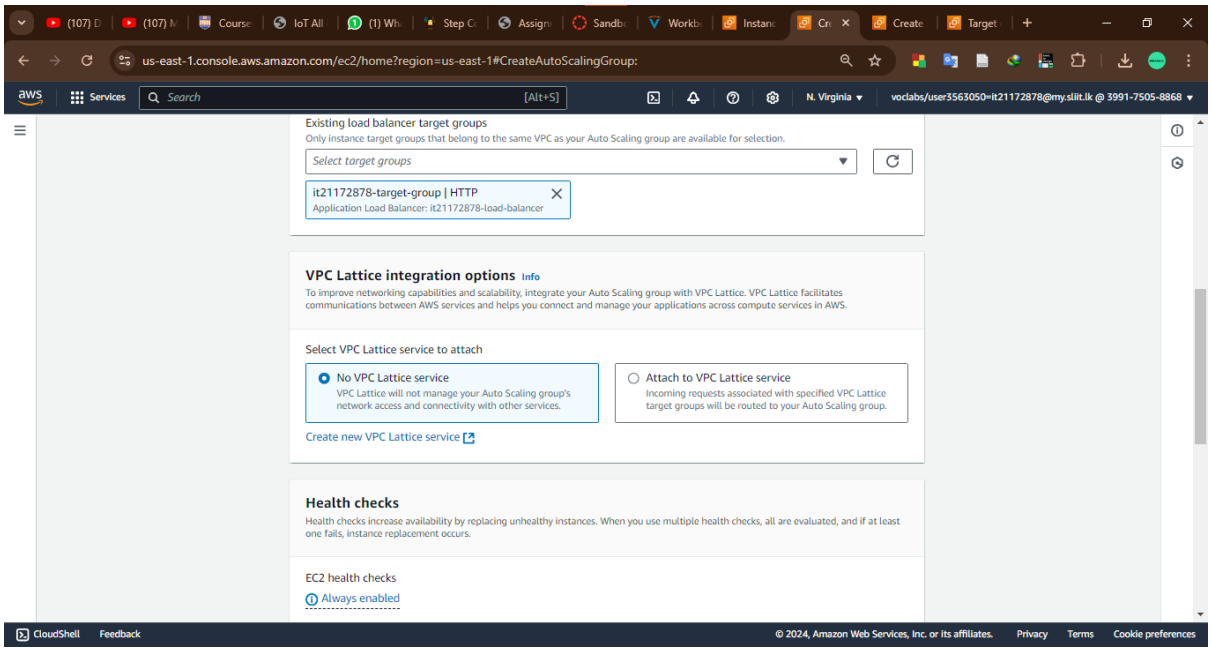

Figure 5. 12: Select target group

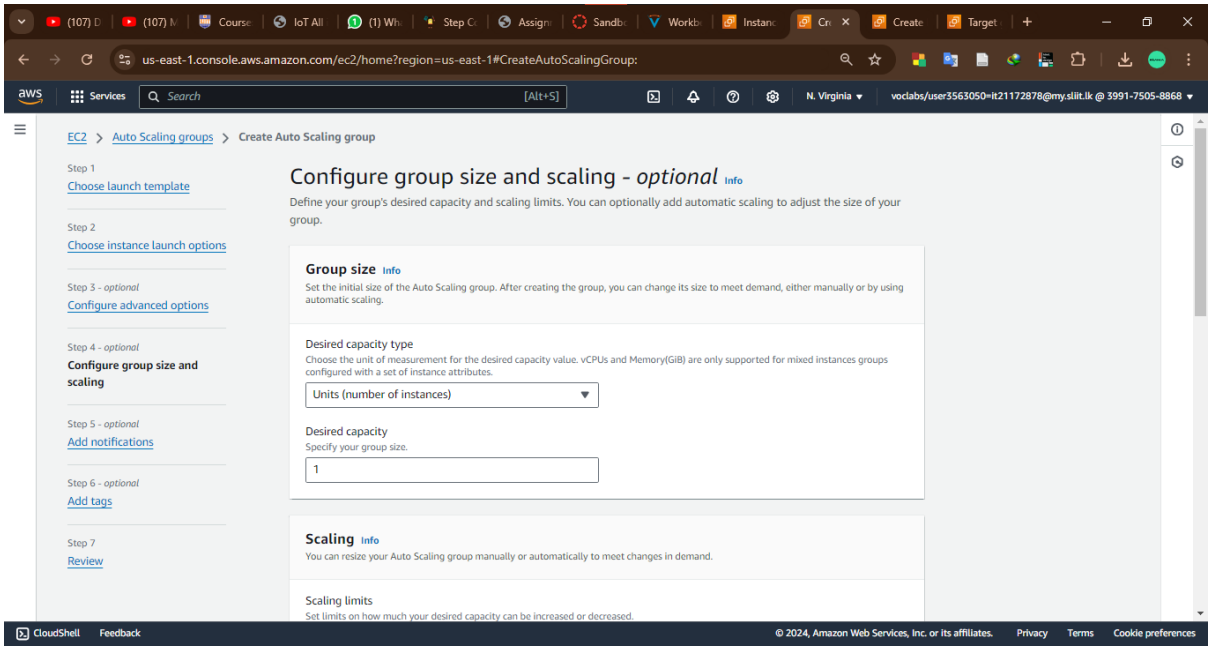

Figure 5. 13: Configure group size and scaling

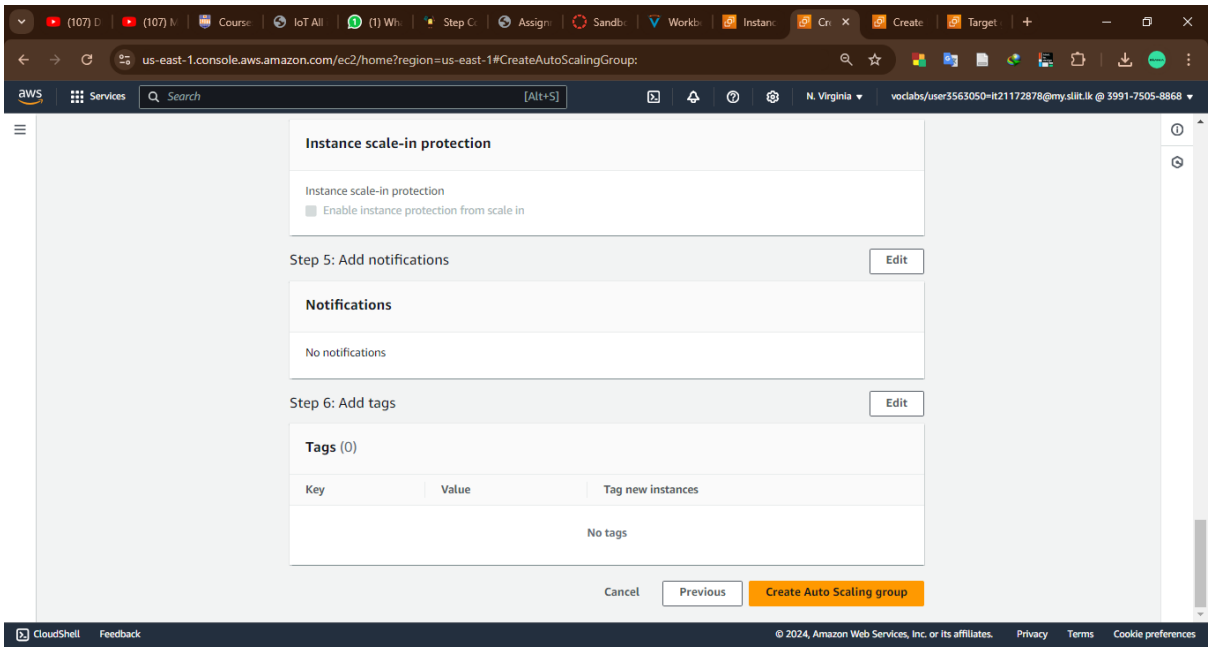

Figure 5. 14: Click create auto scaling

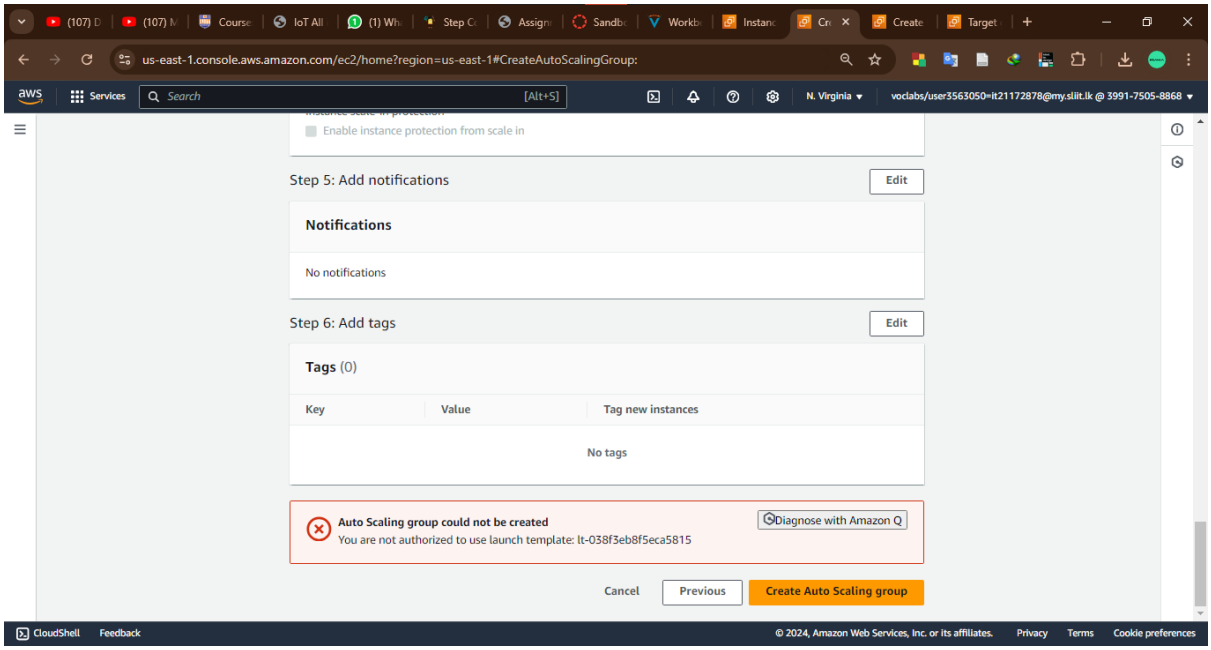

Figure 5. 15: I can't access to create auto scaling group and get some error message