CLOUD COMPUTING ARCHITECTURE LAB

NAME- Shubhi Dixit

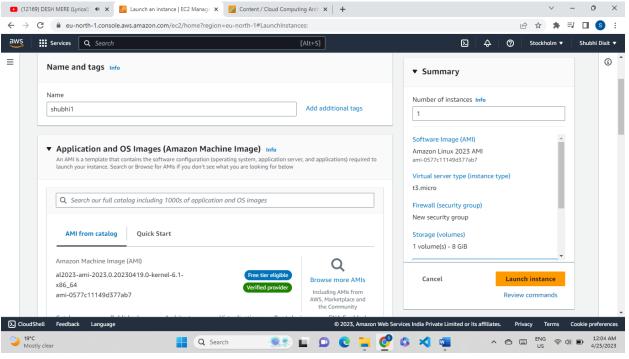
BATCH-5

SAP ID-50094571

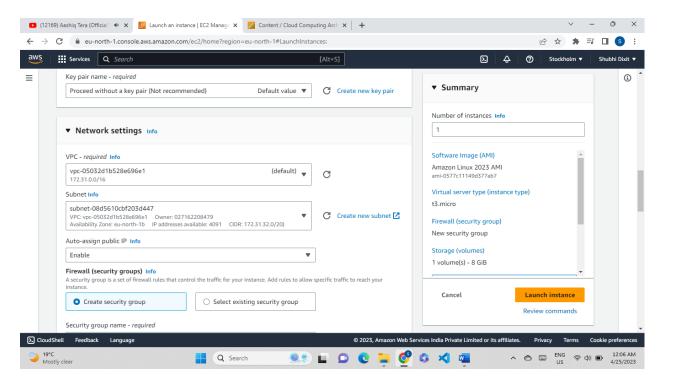
AWS WAF

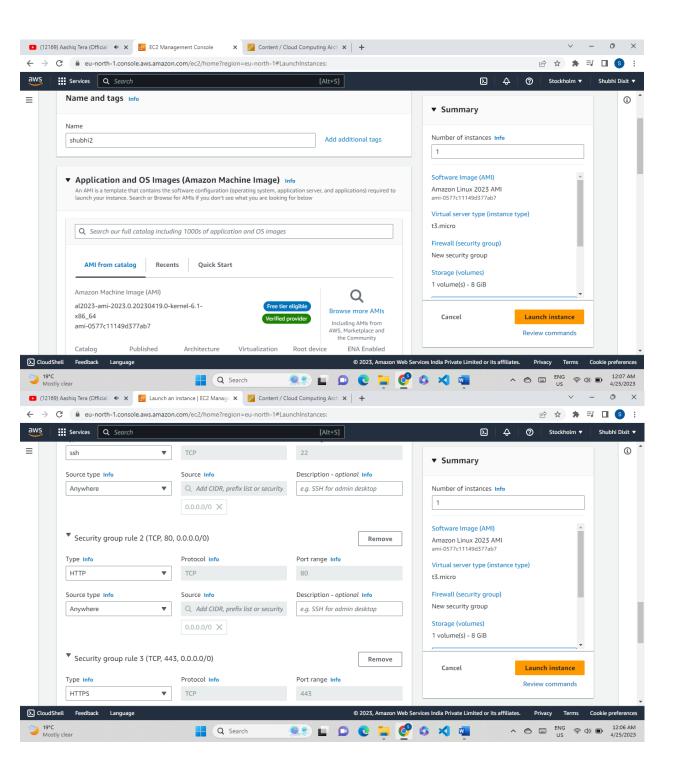
Adding a WAF to a Load balancer and blocking access

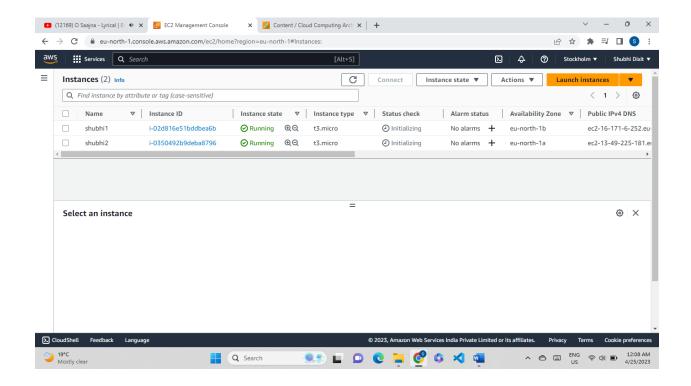
Step 1: Login to AWS console & create 2 EC2 instances in different



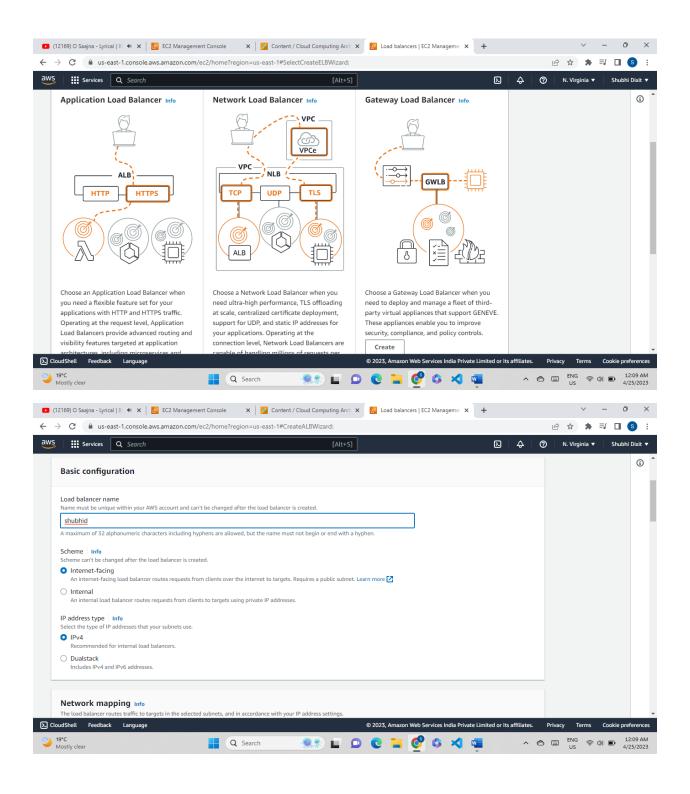
AZs

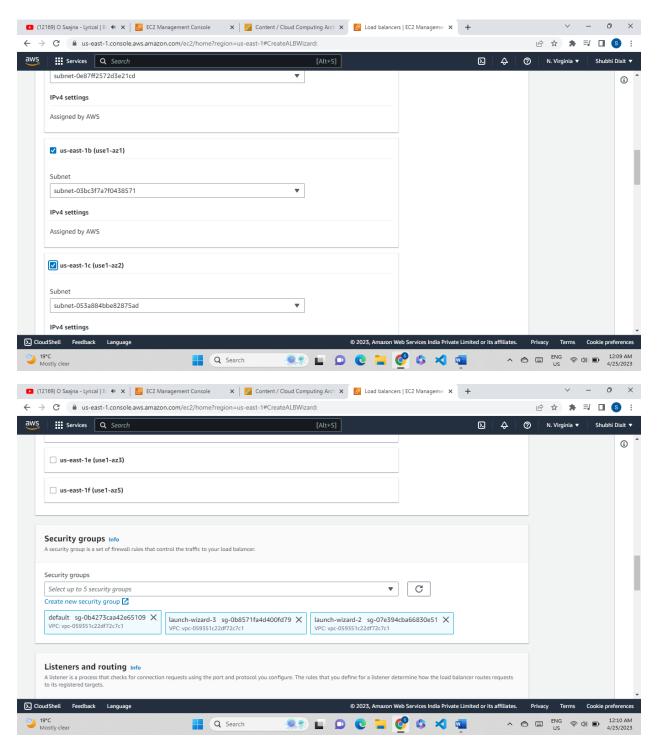




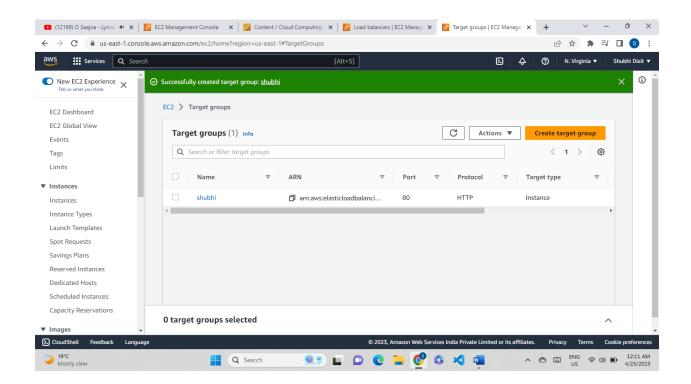


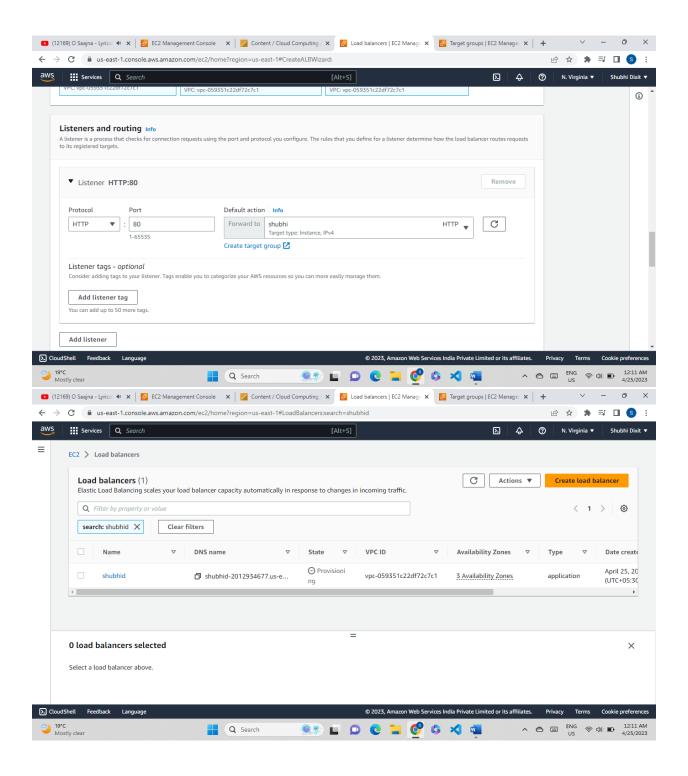
Step 2: Goto ec2-> LoadBalancer & add a application LB & check the LB

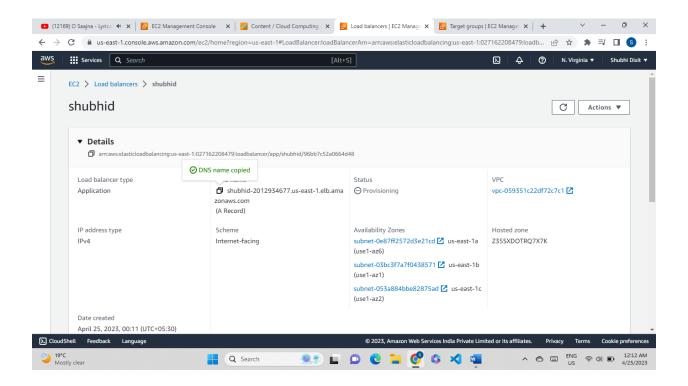




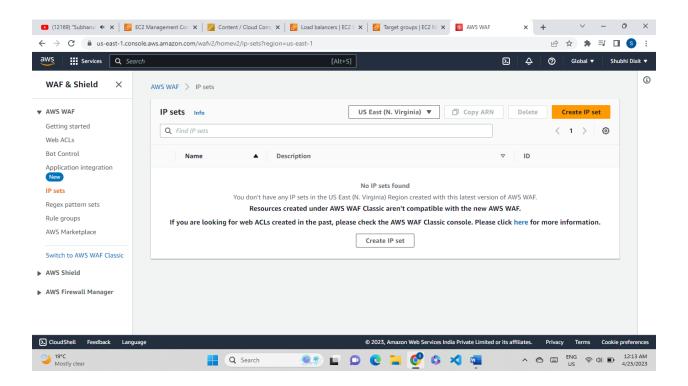
Also create Target groups

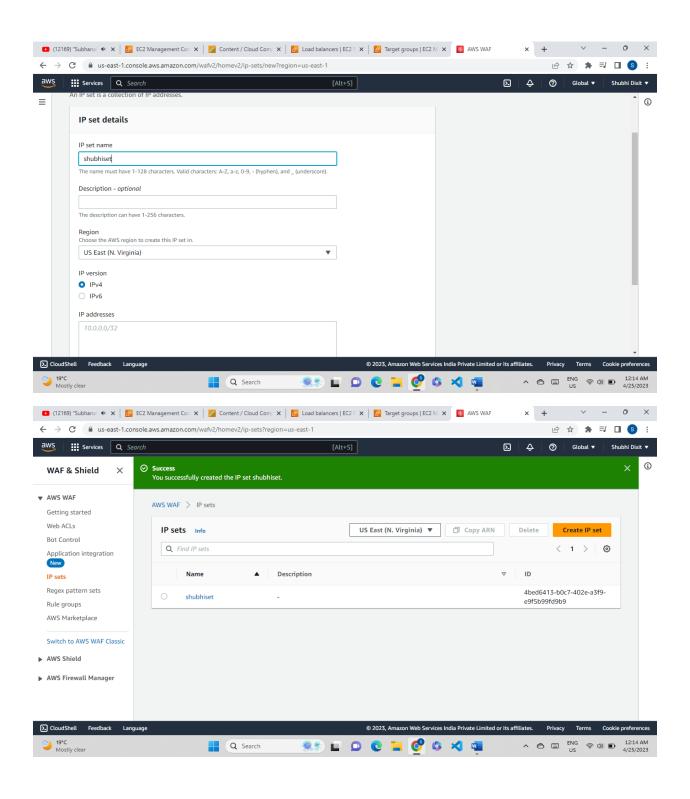




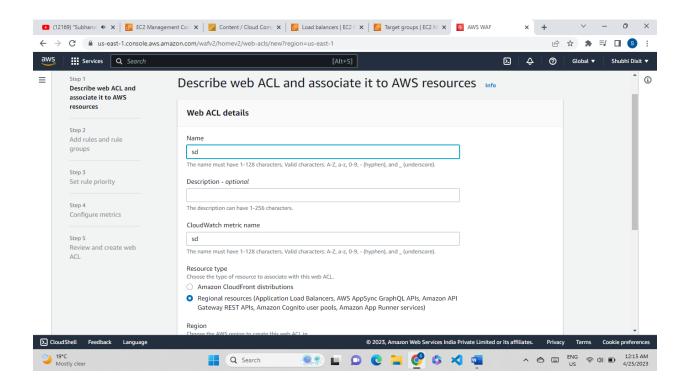


Step 3: Goto WAF -> create ip set

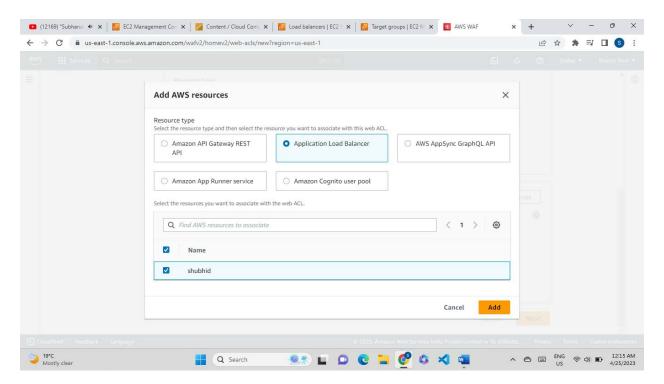




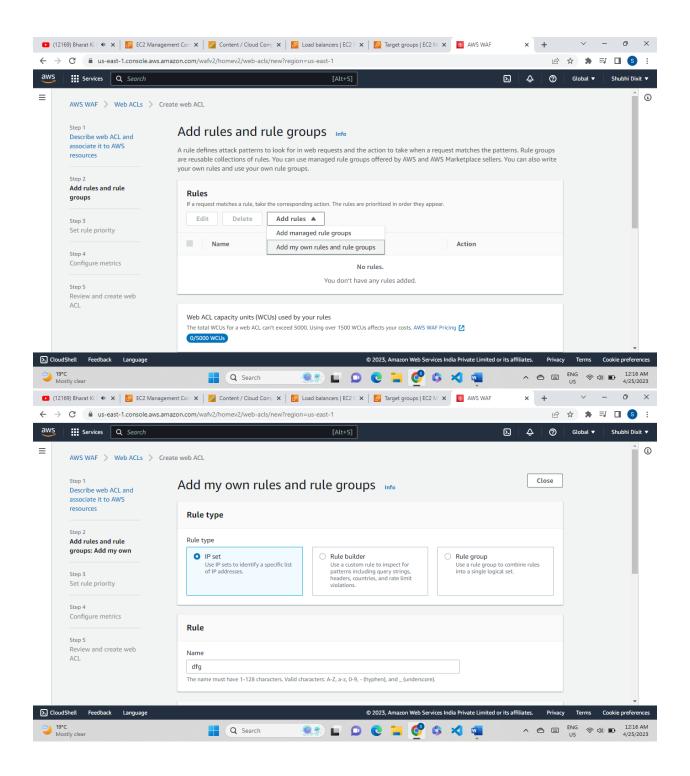
Step 4 : Create a web acl by giving name & appropriate configurations



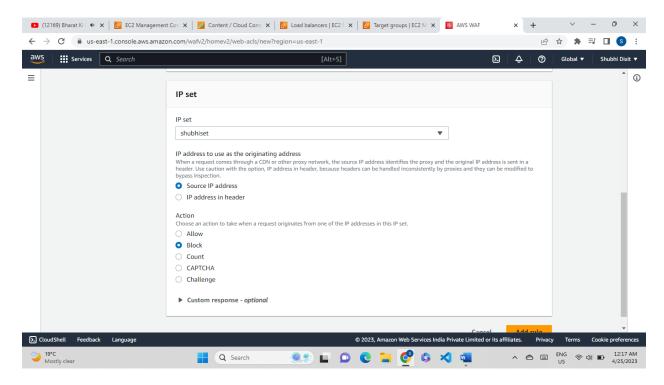
Step 5 : Add resources to the web acl (here LB created previously)



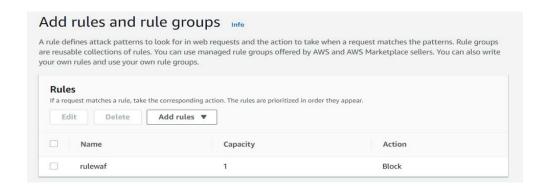
Step 6: In the rules & rule groups, add the ipset



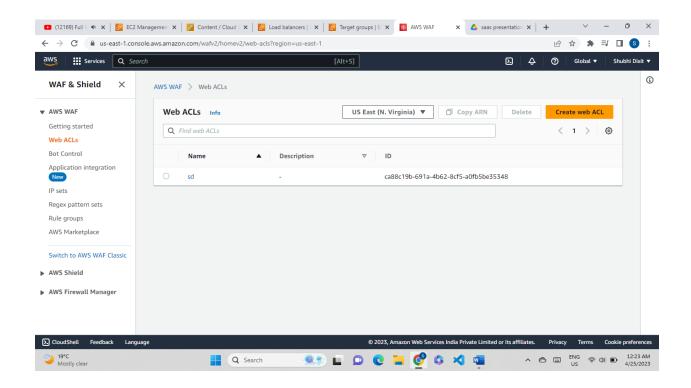
Step 7: Under Action use the "block" action



Step 8: Click add rule



Step 9: Review and create the web acl



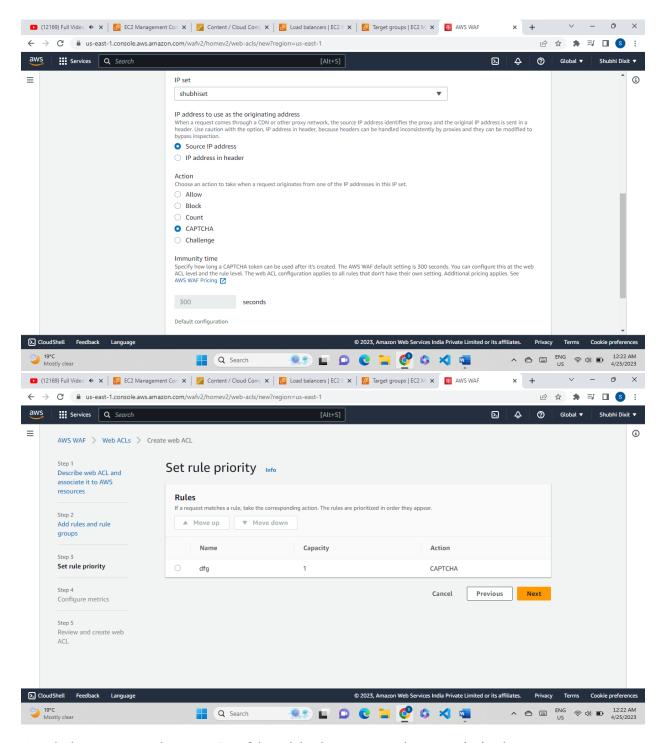
Step 10: Access the LB by its DNS



503 Service Temporarily Unavailable



Step 11: If you change the action in step 7 to CAPTCHA , an authentication step is added



And then copy the DNS of load balancer and paste it in browser

Let's confirm you are human

You need to solve a security puzzle before proceeding to your request. This authentication activity protects your account by preventing spam and blocking suspicious activity.

English 🗸

