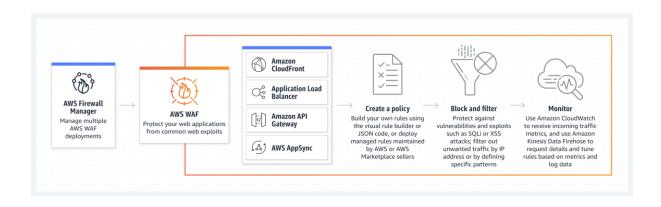
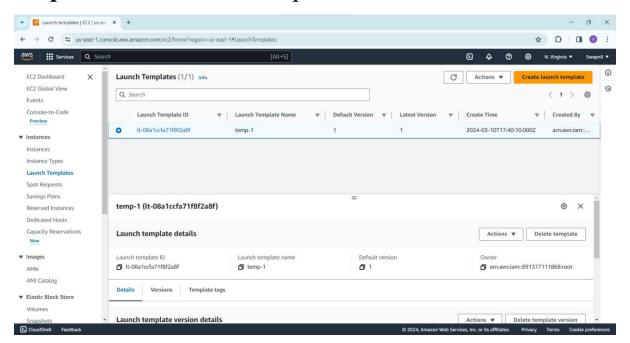


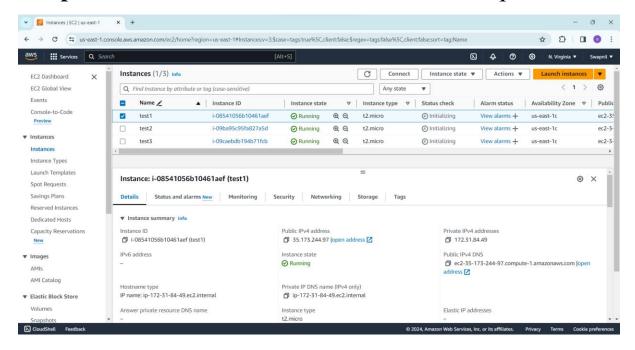
AWS Web Application Firewall (WAF)



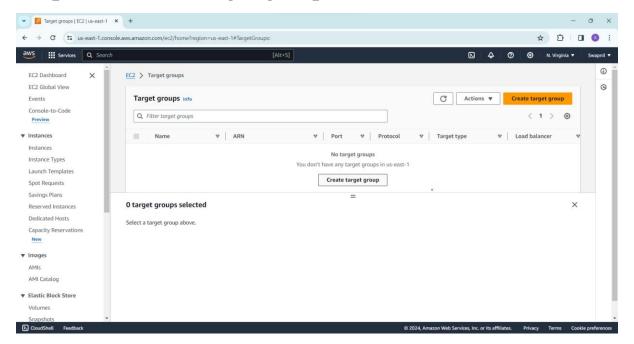
Step 1: Create launch template.



Step 2: Launch an instance from launch template.

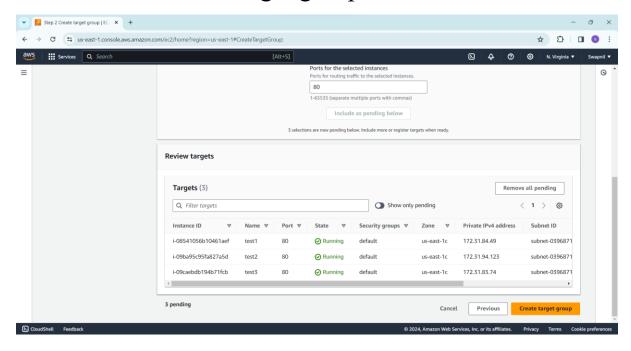


Step 3: Create a target group

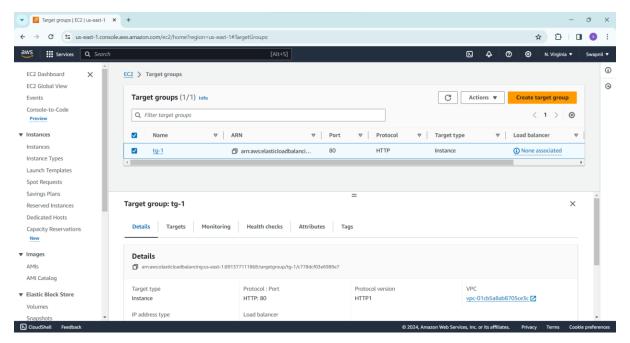


Step 4: Enter the target group detail.

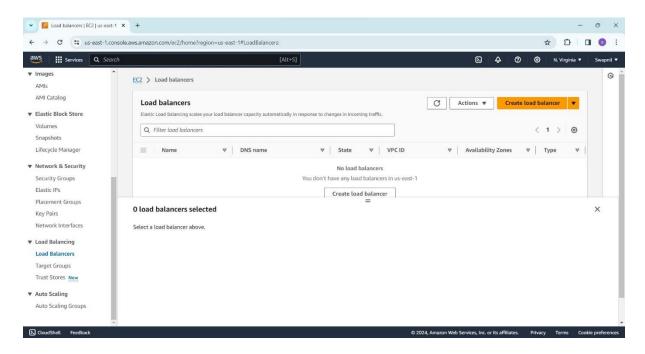
Click on create target group.



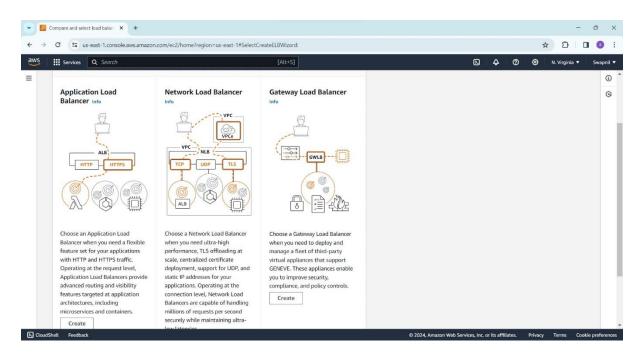
Step 5: Target group is created.



Step 6: Associated application load balancer to target group

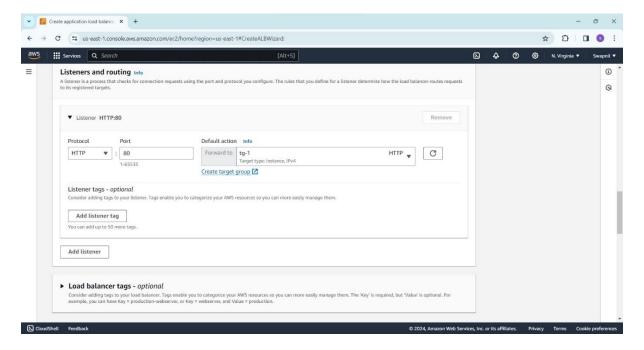


Step 7: Create application load balancer.

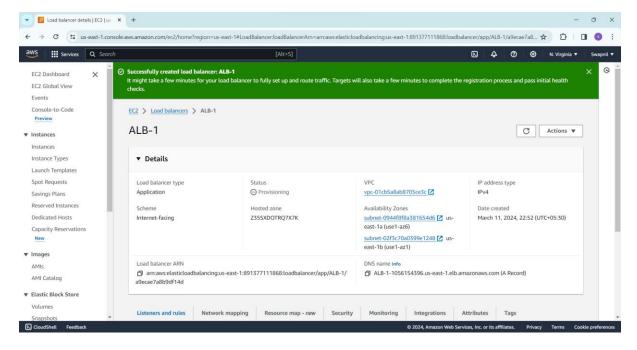


Step 8: Create load balancer

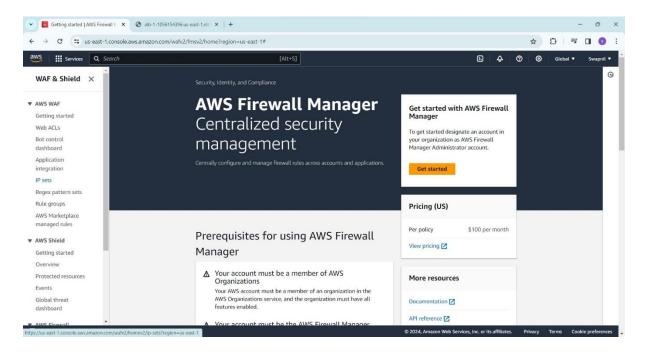
- > Ente basic detail
- ➤ Add target group
- ➤ Click on create load balancer



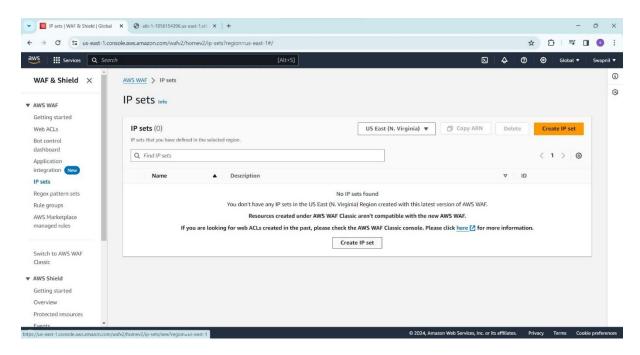
Step 9: Check application load balancer is created.



Step 10: Go to the navigation panel and select WAF.

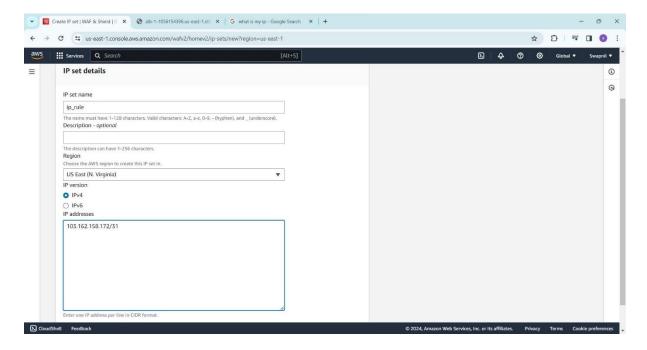


Step 11: Crate IP sets.

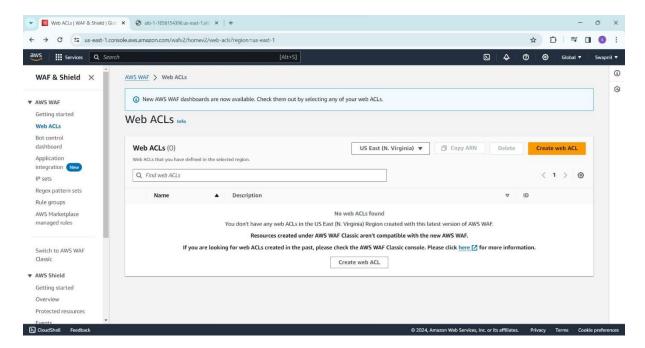


Step 12: IP set details.

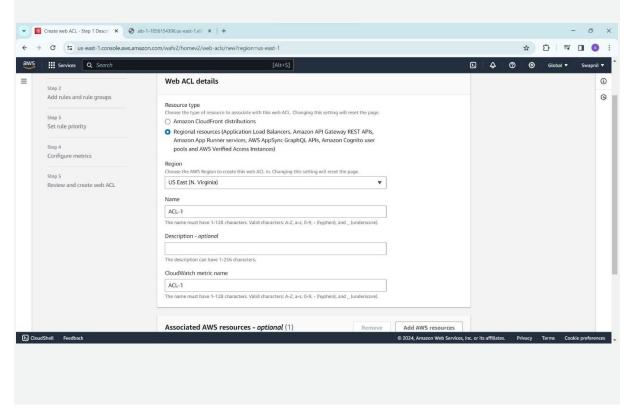
- Enter IP set rule name
- ➤ Choose region and IP version
- ➤ Add the IP address list



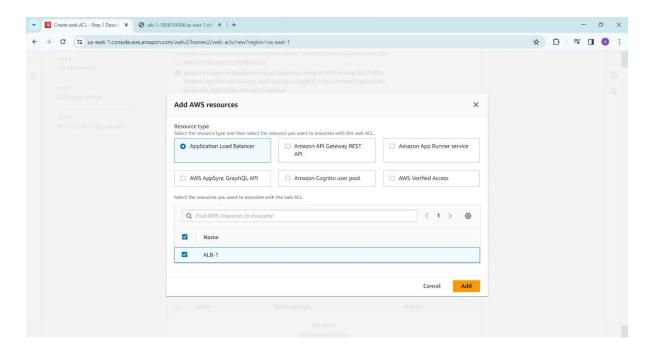
Step 13: Create web ACL (access control list)



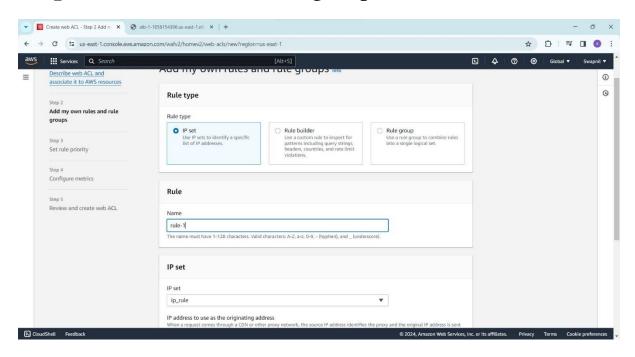
Step 14: Describe web ACL and associate it to AWS resources



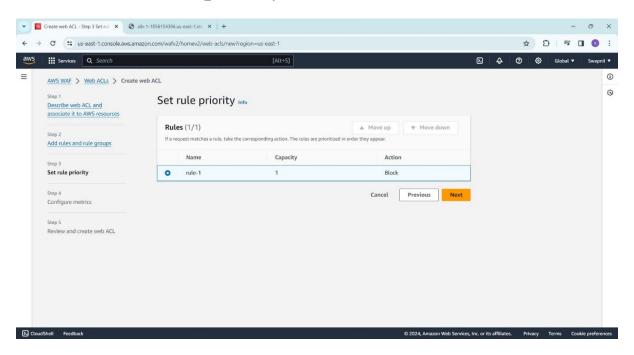
> Add AWS resources



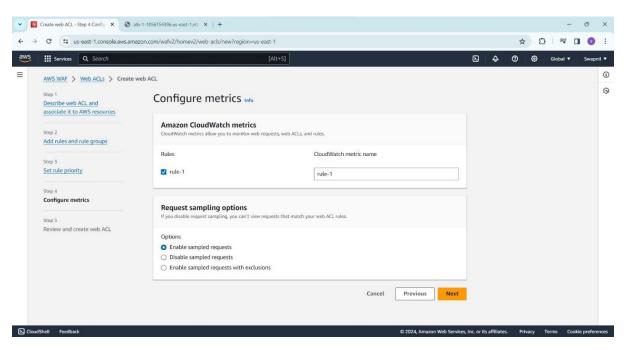
Step 15: Add rule and rule groups



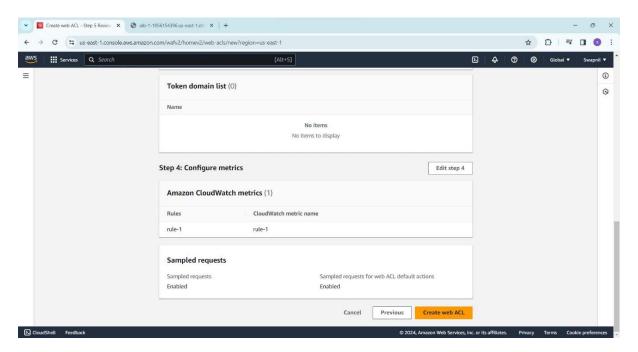
Step 16: Set rule priority.



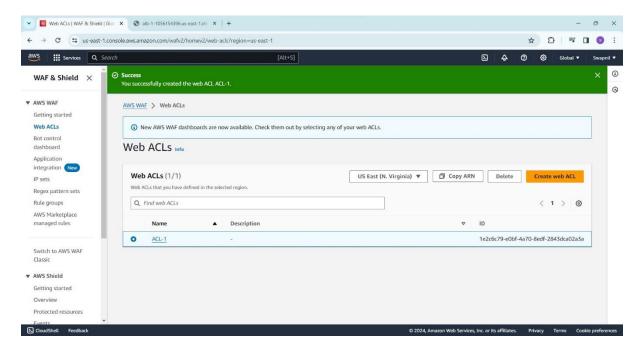
Step 17: Configure metrics



Step 18: Review and create web ACL



Step 19: web ACL is created



Step 20: Check the result

Try to access a load balancer from the IP which is define in the IP sets rules group

We get 403 forbidden message because WAF block that IP.

403 Forbidden error, it means that you do not have permission to view the requested file or resource.



Step 21:

From WEB ACL we filter the traffic and check all details

Like blocked, allowed IP, Sample of bot detection, client device types, attack type, top 10 countries, etc.

