

AWS WAF(web application firewall)

1 Login to AWS Console

- Go to <https://aws.amazon.com/console/> and sign in.

2 Open AWS WAF

- In the AWS Console search bar, type WAF and open AWS WAF.

3 Click “Create Web ACL”

4 Define Web ACL Settings

- Name: Provide a name for your Web ACL (e.g., MyWebACL).
- Resource type to protect: Choose where you want to apply the WAF:
 - CloudFront distribution (global).
 - Application Load Balancer (ALB) (regional).
 - API Gateway or AppSync API.
- Region: Select the appropriate AWS region if using ALB or API Gateway.

5 Add Rules to Web ACL

- You can add:
 - o Managed Rule Groups (AWS prebuilt rules, like AWS Common Rule Set).

- o Custom Rules (e.g., block specific IPs, rate limiting).
- o IP Set (block or allow list).
- o Geo Match Conditions (block by country).
- o Rate-based Rules (prevent excessive requests).
- Choose actions for each rule:
 - o Allow / Block / Count.

6 Set Default Action

- Define the default action for requests not matching any rule:
 - o Allow all requests (default).
 - o Or Block all requests.

7 Add Logging and Metrics (Optional)

- Enable CloudWatch Logs for monitoring.
- Optionally, send logs to S3 or Kinesis Data Firehose.

8 Review and Create Web ACL

- Review your rules and configuration.
- Click Create Web ACL.

9 Associate Web ACL to Resource

- Once created, associate your Web ACL with:
 - o CloudFront Distribution.
 - o ALB.
 - o API Gateway.

- o AppSync API.

AWS WAF is now protecting your web applications.

The new WAF console provides streamlined security management with pre-configured protection packs (web ACLs), automated recommendations, and a unified dashboard. See what's new and switch to the new console.

Introducing a new Amazon Managed Rule group in AWS WAF that offers enhanced layer 7 DDoS protection for your applications. Learn more

Security, Identity, and Compliance

AWS WAF

Protect your web applications from common web exploits

AWS WAF is a web application firewall service that lets you monitor web requests that are forwarded to an Amazon API Gateway API, an Amazon CloudFront distribution, or an Application Load Balancer.

Get started with AWS WAF

Set up protection for your Amazon CloudFront distributions, Application Load Balancers, and/or Amazon API Gateway stages in just under 5 minutes.

Create web ACL

unified dashboard. See what's new and switch to the new console.

Success
You successfully created the web ACL waf1.

[AWS WAF](#) > [Web ACLs](#)

Web ACLs Info

Web ACLs (1)				Create web ACL
Web ACLs that you have defined in the selected region.				Delete
Name	Description	ARN	ID	
waf1	-	arn:aws:wafv2:us-east-1:21112544840...	796b520d-e77e-4444-b023-e580d10e0f94	

S3 EC2 Route 53 IAM EFS VPC

Traffic overview Rules Associated AWS resources Custom response bodies Logging and metrics Sampled requests

Top insights are now available with CloudWatch logs. You can access the new top insights dashboard section by enabling a CloudWatch logging destination in your logging configuration.

Enable CloudWatch logs

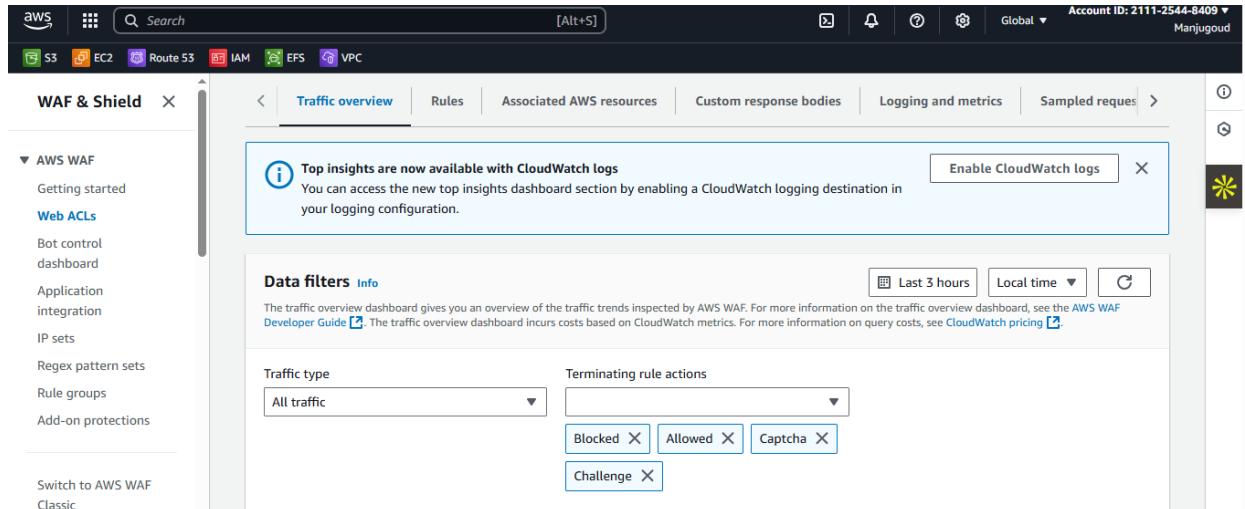
Data filters Info

The traffic overview dashboard gives you an overview of the traffic trends inspected by AWS WAF. For more information on the traffic overview dashboard, see the AWS WAF Developer Guide. The traffic overview dashboard incurs costs based on CloudWatch metrics. For more information on query costs, see CloudWatch pricing.

Last 3 hours Local time C

Traffic type: All traffic

Terminating rule actions: Blocked, Allowed, Captcha, Challenge



EC2 Target groups mytarget

Details

arn:aws:elasticloadbalancing:us-east-1:866018956544:targetgroup/mytarget/2a3eb60c08477ff6

Target type: Load balancer myalb

Targets Monitoring Health checks Attributes Tags

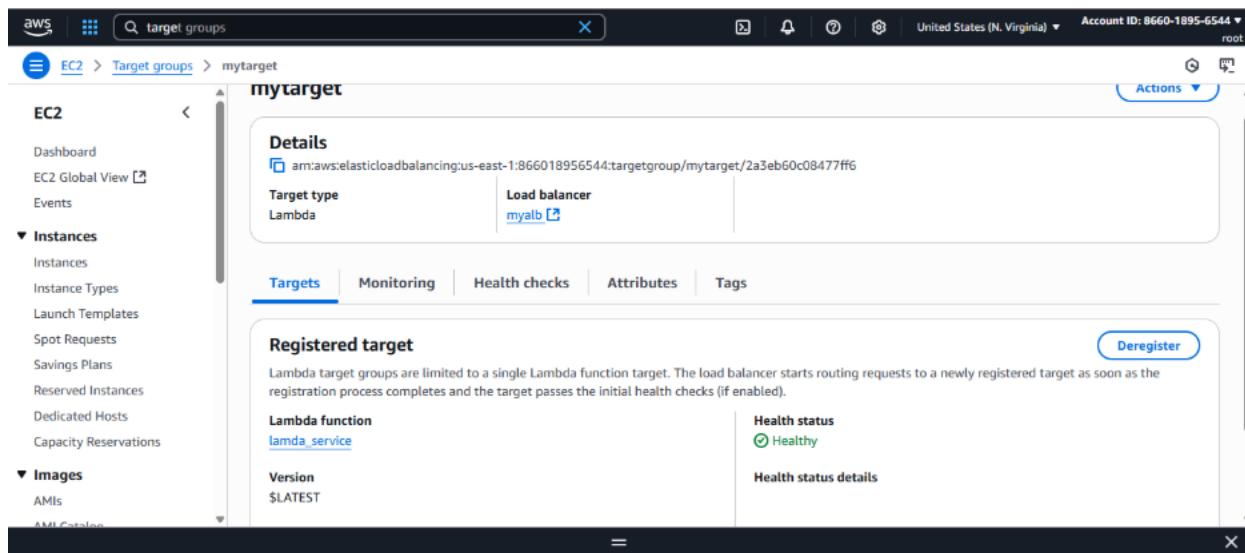
Registered target

Deregister

Lambda function: lamda_service

Health status: Healthy

Version: \$LATEST



EC2 Load balancers myalb

myalb

Details

Load balancer type: Application Status: Provisioning

VPC: vpc-0bf26856e590d895b

Load balancer IP address type: IPv4

Scheme: Internet-facing Hosted zone: Z355XDOTRQ7X7K

Availability Zones: subnet-0a3ad1dc371242886, us-east-1b (use1-az4), subnet-0f339258085d5b899, us-east-1c (use1-az6)

Date created: July 15, 2025, 07:39 (UTC+05:30)

Load balancer ARN: arn:aws:elasticloadbalancing:us-east-1:866018956544:loadbalancer/app/myalb/ef7f4aea8a4c200e

DNS name: myalb-1713107559.us-east-1.elb.amazonaws.com (A Record)

Listeners and rules Network mapping Resource map Security Monitoring Integrations Attributes

