



Amazon CloudFront Security:

1. Secure Content Delivery & Access Control

- Delivers content with low latency via global edge locations.
- Supports HTTPS/TLS encryption, signed URLs, geo-restriction, and Origin Access Identity (OAI) to control who can access content.
- Private content feature protects S3-origin files and prevents unauthorized downloads.

2. Authentication & Encryption

- All API calls require HMAC-SHA1 authentication and SSL encryption.
- Uses Perfect Forward Secrecy (ECDHE) to prevent decryption even if long-term keys are compromised.
- Supports custom SSL via SNI or dedicated IP for secure HTTPS delivery using customer domains.

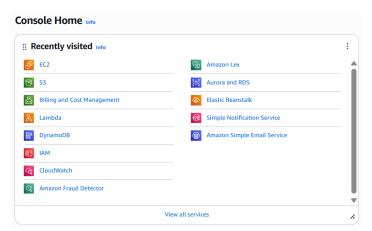
3. Logging & Monitoring

- CloudFront access logs track requests, IPs, edge locations, referrers, and user agents.
- Customers can configure S3 to store logs and monitor usage securely.

Create Security Group to Secure EC2 Instances:

Steps:

Open the AWS, and click on the EC2 instance option:



Under the "Network and Security" option in the menu click on the "Security Groups" option:

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

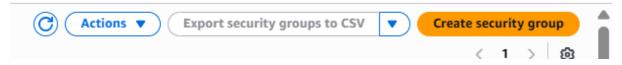
Key Pairs

Network Interfaces

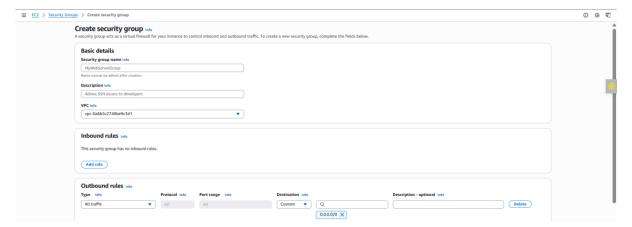
Following list of security groups will appear:



Click on the "Create security group" button:



Following screen will appear:



Specify the details and click on the orange button at the right bottom corner.

--The End--