

Security Groups

Security Group for ALB	1
Security Group for Application / Backend Microservices	2
Security Group for DB	3

We need 3 security groups.

- external traffic → ALB → APP → DB

Security Group for ALB

Security group name [Info](#)

netflix-alb-sg

Name cannot be edited after creation.

Description [Info](#)

allow external traffic to alb

VPC [Info](#)

vpc-057e4b12c96c3791e (netflix-vpc)

- Inbound Rule
 - allow requests from anywhere 0.0.0.0/0 for port 80

Inbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
HTTP	TCP	80	Anyw... ▾	0.0.0.0/0 X	Delete

[Add rule](#)

- do **NOT** make any change for outbound rules.
- Create the Security Group.

Security Group for Application / Backend Microservices

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

- Inbound Rule to allow traffic from ALB.
 - Port: **8080**
 - Source: Select the “**netflux-alb-sg**”

Inbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
Custom TCP	TCP	8080	Custom	<input type="text" value="default sg-01ced0f2b0aec83db"/> <input type="text" value="netflux-alb-sg sg-0a799e4078dcfad76"/>

[Add rule](#) [Delete](#)

- do NOT make any change for outbound rules.
- Create the Security Group

Add another inbound Rule:

- Remember that apps can talk among themselves! **customer-service** will want to talk to **movie-service** to get the movie information. However the current rule is explicitly to allow the traffic only from ALB. So, let's add another inbound rule.
- Click on “Edit Inbound Rules” to add another rule as shown below.
We allow 8080 among backend applications

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Security Groups
sgr-0ad8abbaef924eac9a	Custom TCP	TCP	8080	Custom	<input type="text" value="default sg-052d9357f58dea35b"/> <input type="text" value="netflux-alb-sg sg-01c508c6bb7c98235"/> <input type="text" value="netflux-app-sg sg-0a323d530be8b5c8e"/> <input type="text" value="netflux-app-sg sg-0a323d530be8b5c8e"/>
sgr-0944b18a24fa888c4	Custom TCP	TCP	8080	Custom	<input type="text" value="com.amazonaws.us-east-1.dynamodb pl-02f3333333333333"/> <input type="text" value="com.amazonaws.us-east-1.ipv6.route53-hea"/>

[Add rule](#)

Security Group for DB

- Enter the details

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

- We add this inbound rule.

- port: **5432**
- source: “**netflix-app-sg**”

Inbound rules [Info](#)

Type	Protocol	Port range	Source
Custom TCP	TCP	5432	Custom

Security Groups

- netflix-app-sg | sg-0f8140a3ae11308ee
- default | sg-01ced0f2b0aec83db
- netflix-alb-sg | sg-0a799e4078dcfad76

Prefix lists

Add rule

Delete

- do NOT make any change for outbound rules.
- Create the Security Group