

Security Groups

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We need 3 security groups.

- external traffic → ALB → APP → DB

Security Group for ALB

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

- 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	
			0.0.0.0/0 ✕	

Add rule

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

Security Group for Application / Backend Microservices

Security group name [Info](#)

netflux-app-sg

Name cannot be edited after creation.

Description [Info](#)

allow traffic from alb to app

VPC [Info](#)

vpc-057e4b12c96c3791e (netflux-vpc)

- 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 ▼	<div><input type="text" value="Q"/><div>default sg-01ced0f2b0aec83db netflux-alb-sg sg-0a799e4078dcfad76</div></div>
<div>Add rule</div> <div>Delete</div>				

- 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 Groups
Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	
sgr-0ad8abbaf924eac9a	Custom TCP ▼	TCP	8080	Custom ▼	default sg-052d9357f58dea35b netflux-alb-sg sg-01c508c6bb7c98235 netflux-app-sg sg-0a323d530be8b5c8e
sgr-0944b18a24fa888c4	Custom TCP ▼	TCP	8080	Custom ▼	Prefix lists com.amazonaws.us-east-1.dynamodb pl-02 com.amazonaws.us-east-1.ipv6.route53-hea
<div>Add rule</div>					<div><input type="text" value="Q "/><div></div></div>

Security Group for DB

- Enter the details

Security group name [Info](#)

netflux-db-sg

Name cannot be edited after creation.

Description [Info](#)

allow traffic from backend apps

VPC [Info](#)

vpc-057e4b12c96c3791e (netflux-vpc)

- We add this inbound rule.
 - port: **5432**
 - source: “**netflux-app-sg**”

Inbound rules Info				Security Groups
Type Info	Protocol Info	Port range Info	Source Info	
Custom TCP ▼	TCP	5432	Custom ▼	netflux-app-sg sg-0f8140a3ae11308ee
				default sg-01ced0f2b0aec83db
				netflux-alb-sg sg-0a799e4078dcfad76
				Prefix lists
				Q
				Delete
Add rule				

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