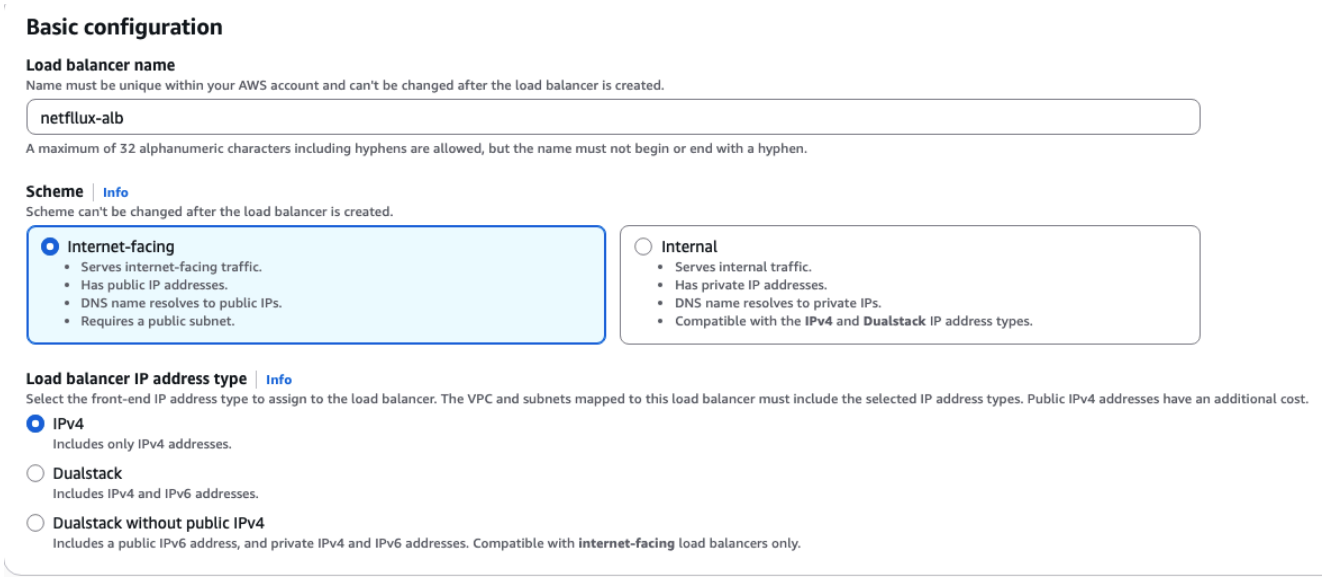
Application Load Balancer

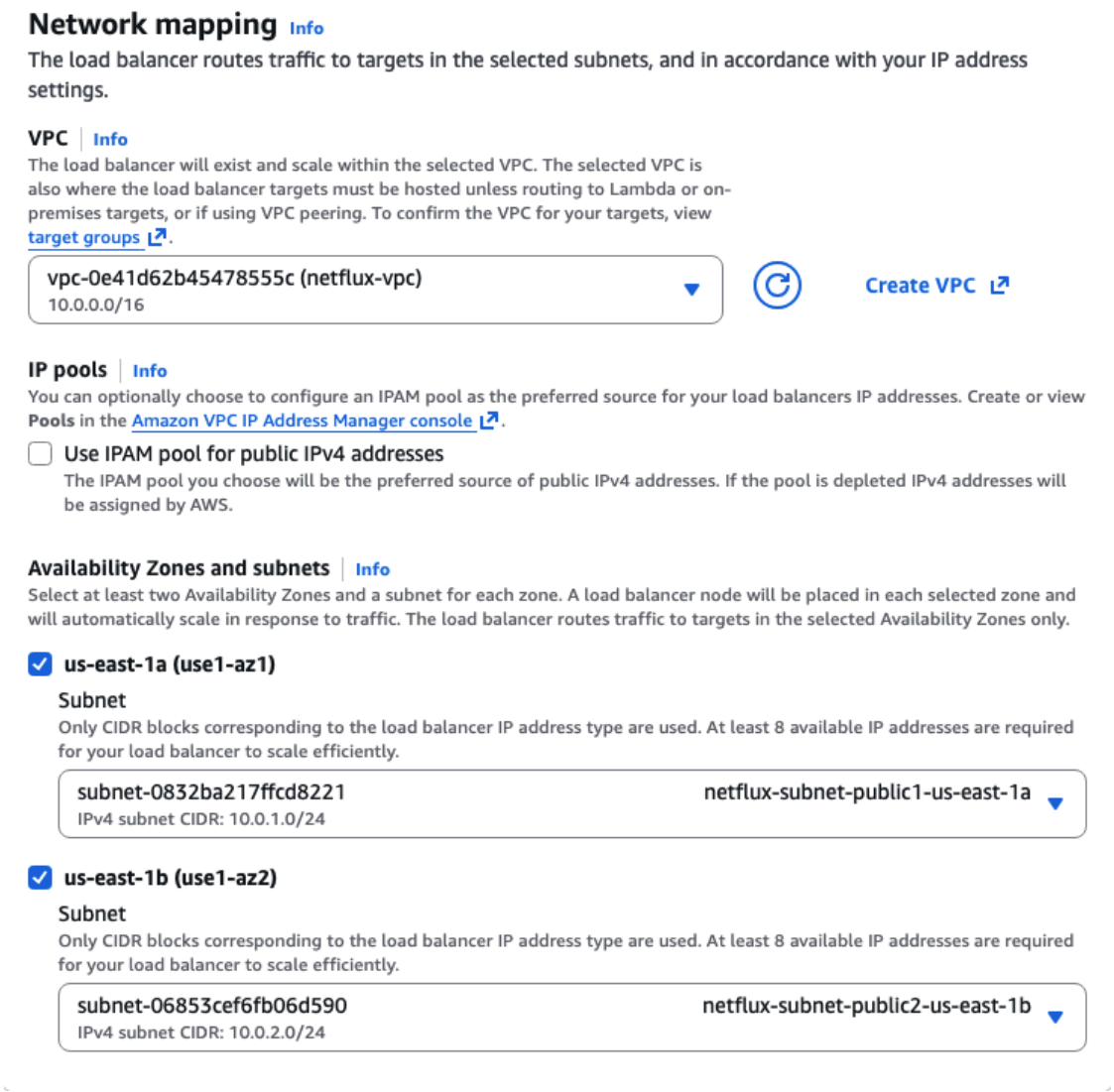
Create ALB 1
Listener Rules 3
Verify 8

Create ALB

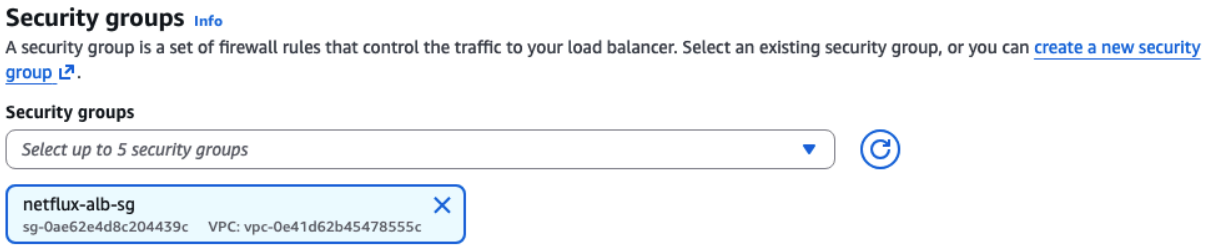
- Let’s create an application load balancer. It is **internet facing**!



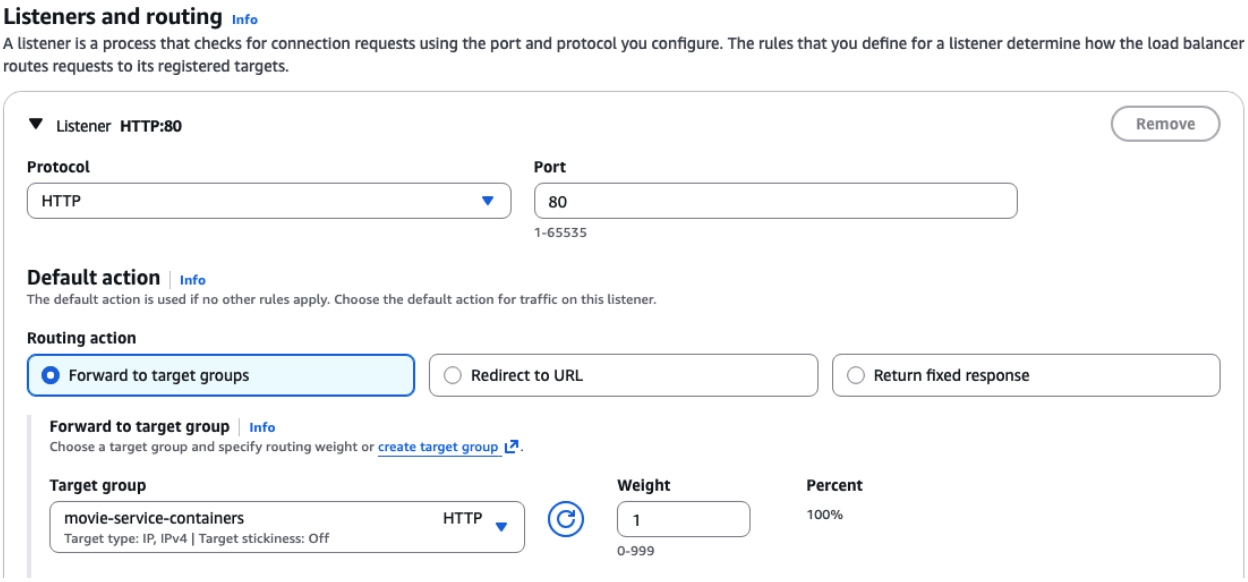
- Select VPC and Subnets. Our ALB will be placed under the public subnets! So ensure that you have selected **public subnets**.



- Under Security Groups Configuration, Attach the “**netflux-alb-sg**”



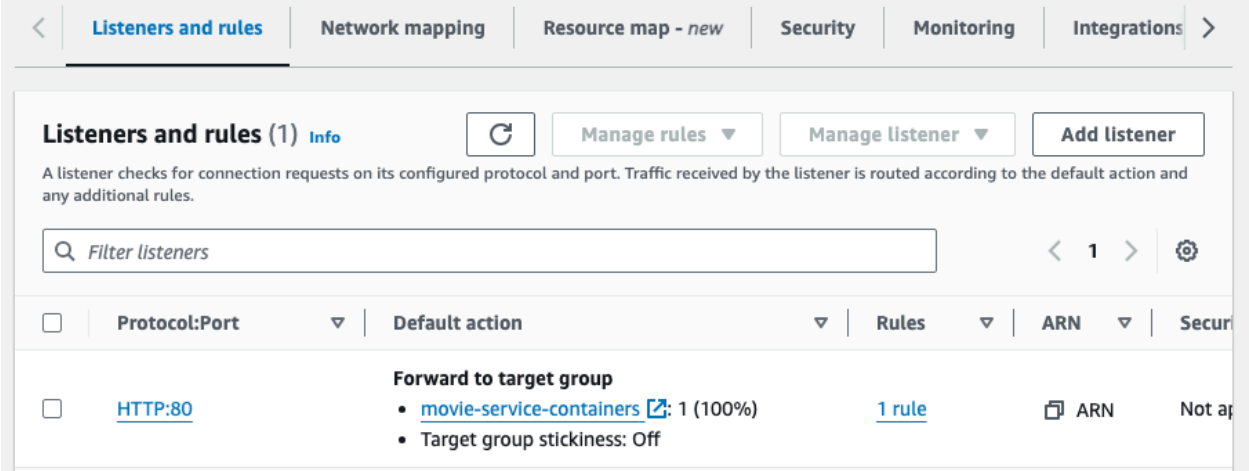
- Under “**Listeners and routing**” configuration, Our ALB will listen on port 80. We need to provide the default target group. select “movie-service-containers”. We can update the rules later.



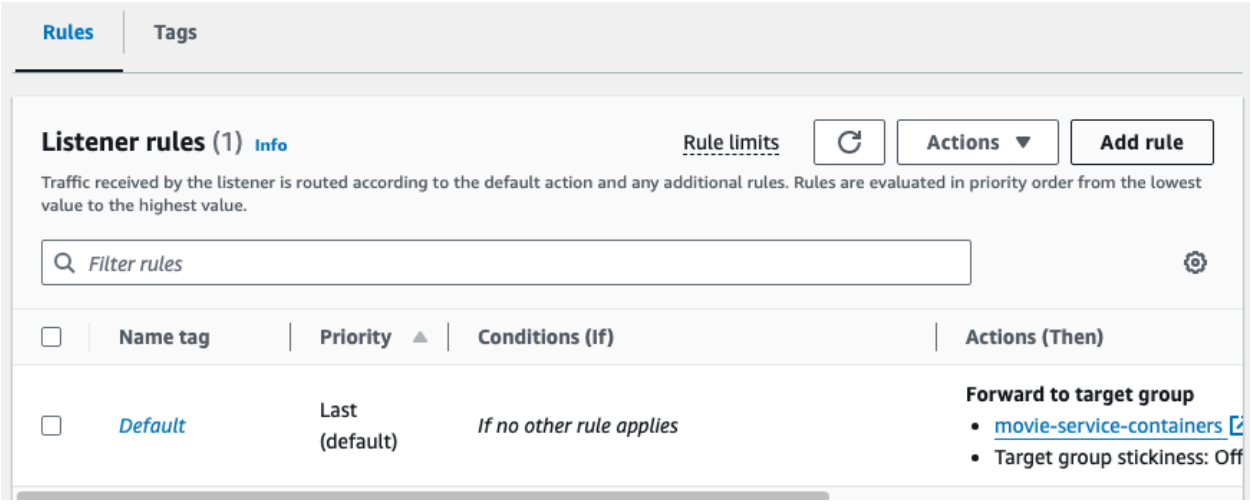
- Click on “Create Load Balancer”

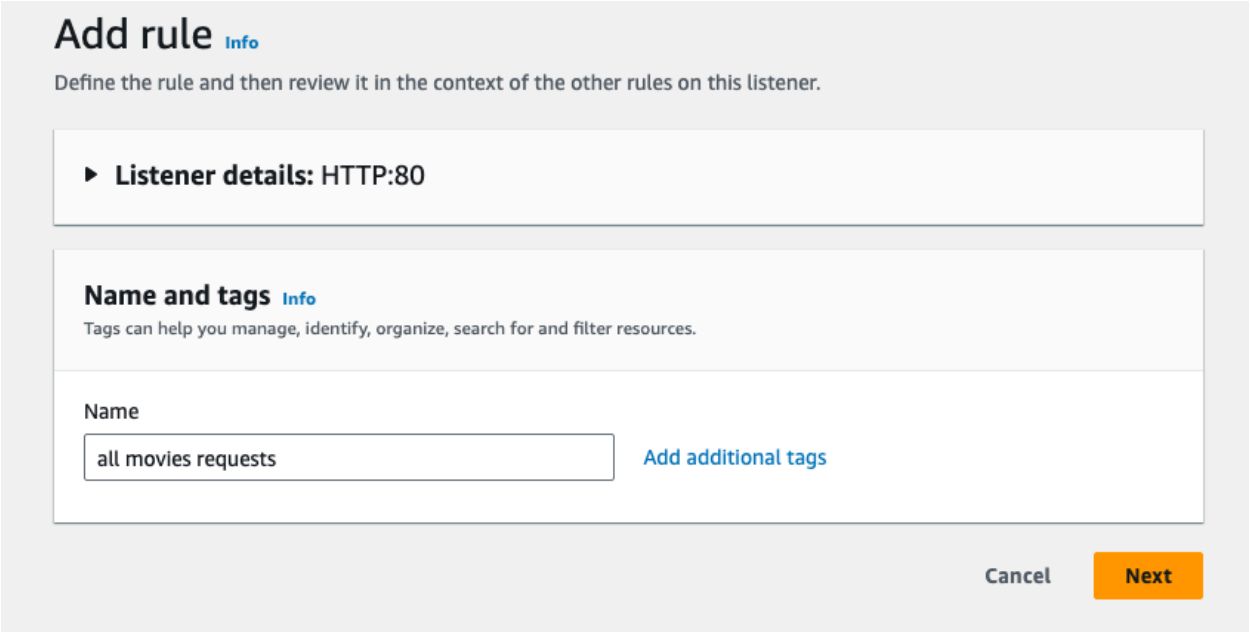
Listener Rules

- Once ALB is created, go to “Listeners and rules”

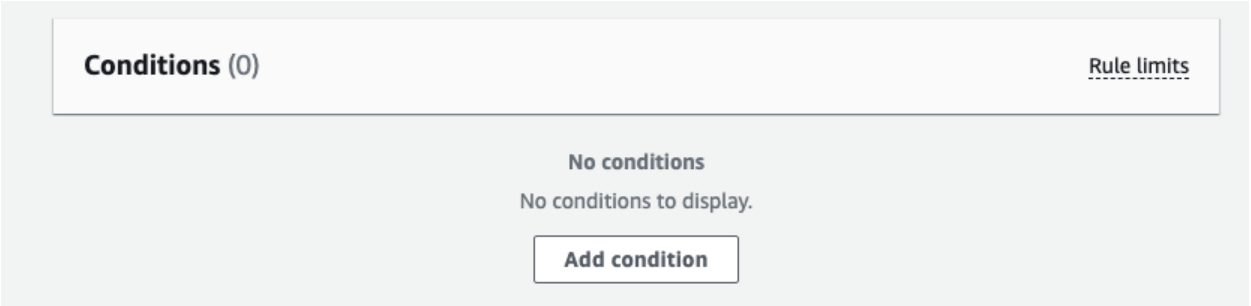


- Click on “**1 rule**” to update the rules for this listener.
- Click on “**Add rule**”. Let’s add 2 rules based on the Path.

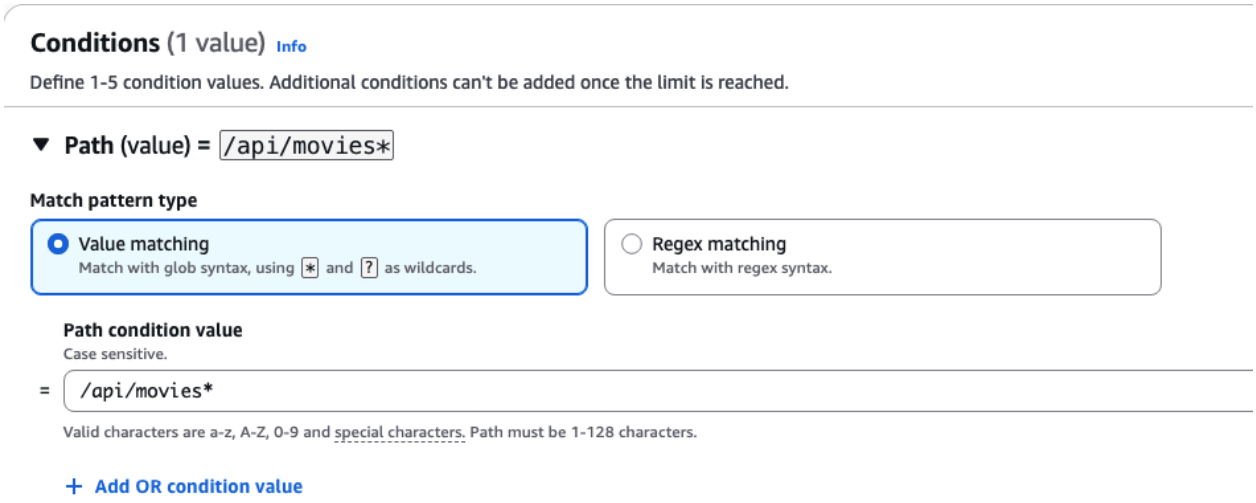




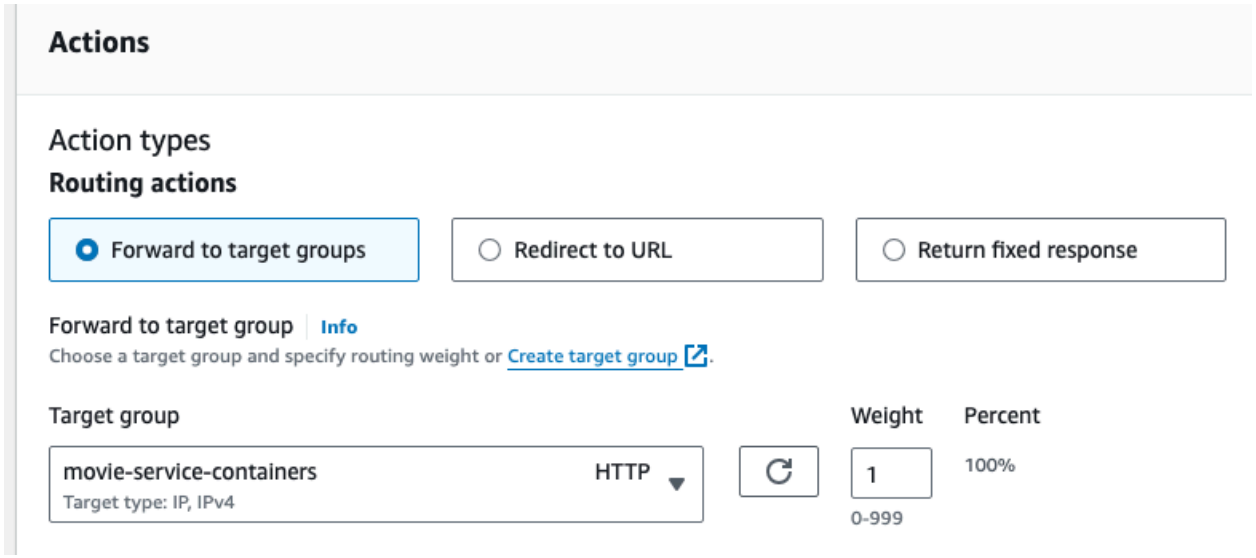
- Add condition



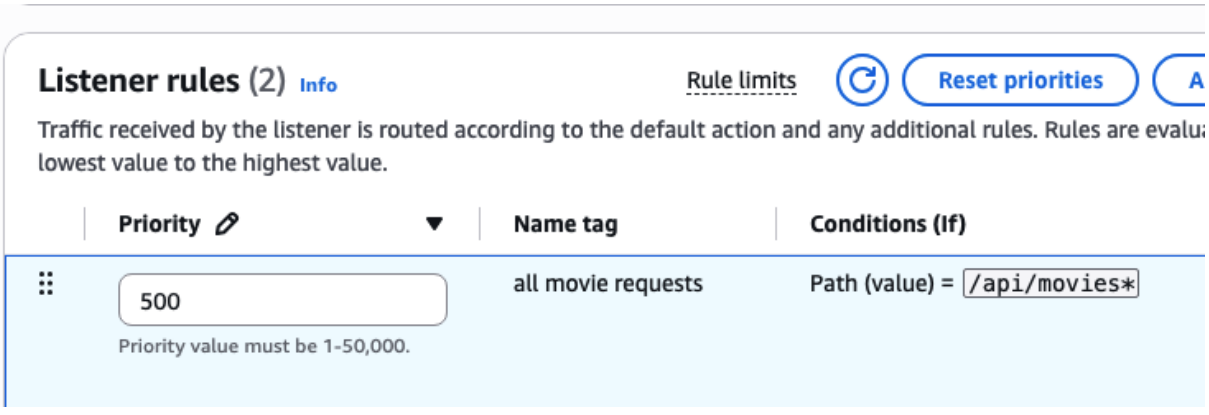
- Under “Conditions”, we need the “Path” based routing.
    - Any request with the path /api/movies should go to movie-service.
        - path condition value: “**/api/movies***”
        - Forward to **movie-service-containers**



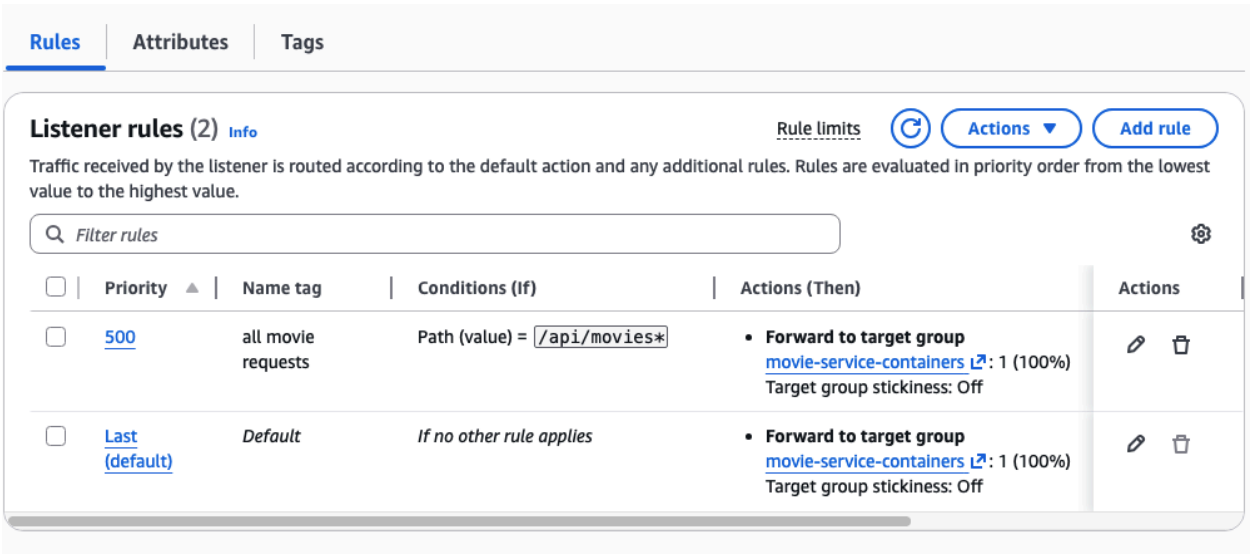
- Then go to “Actions”. Select the appropriate target. In this case, it is as shown below.



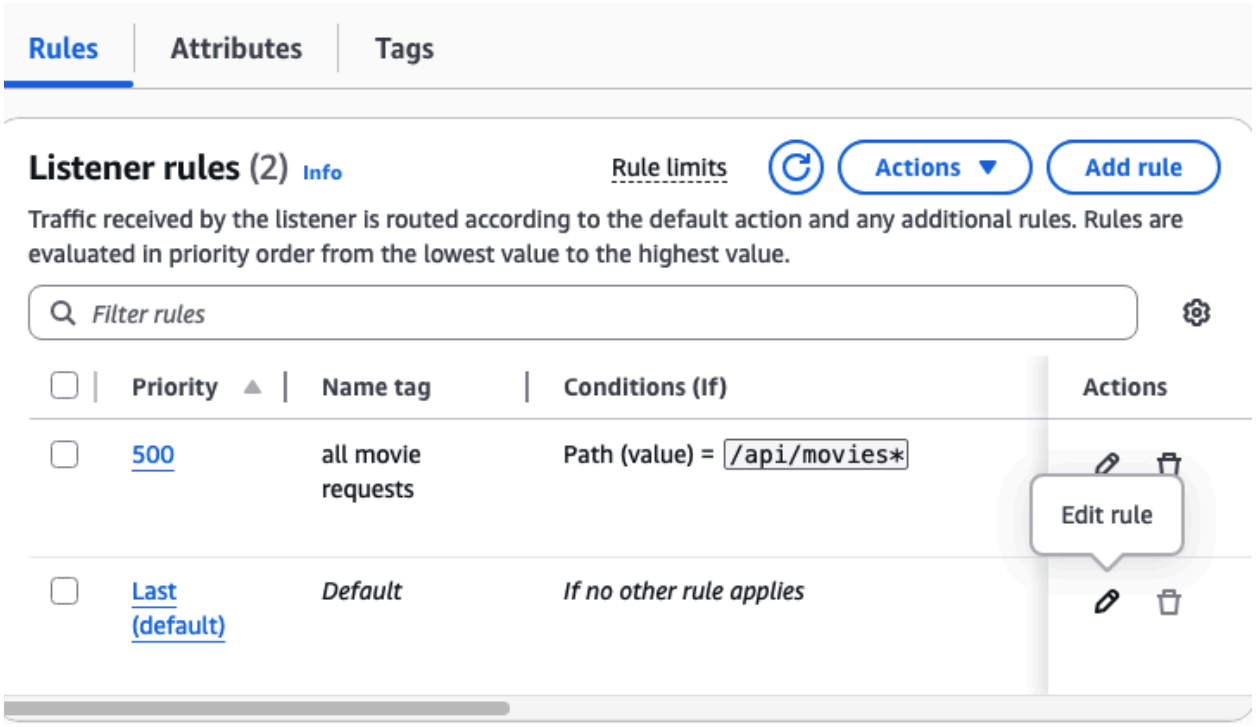
- Click Next to set the **priority**. I give ***500***.



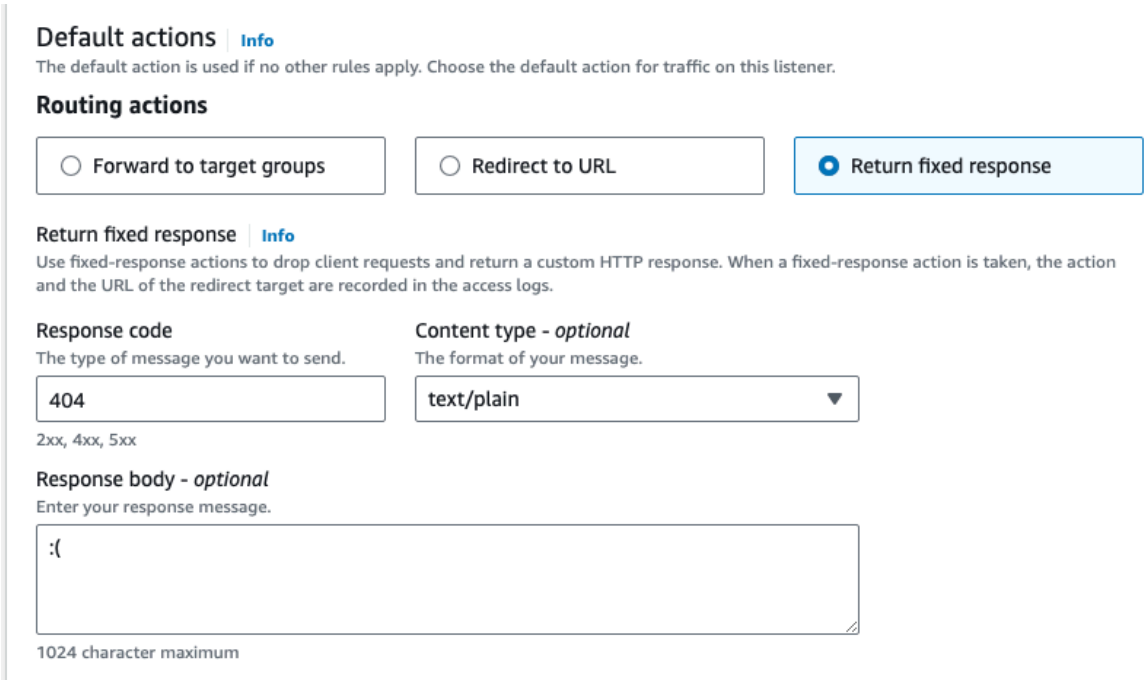
- Create the rule. We should see 2 rules as shown below.



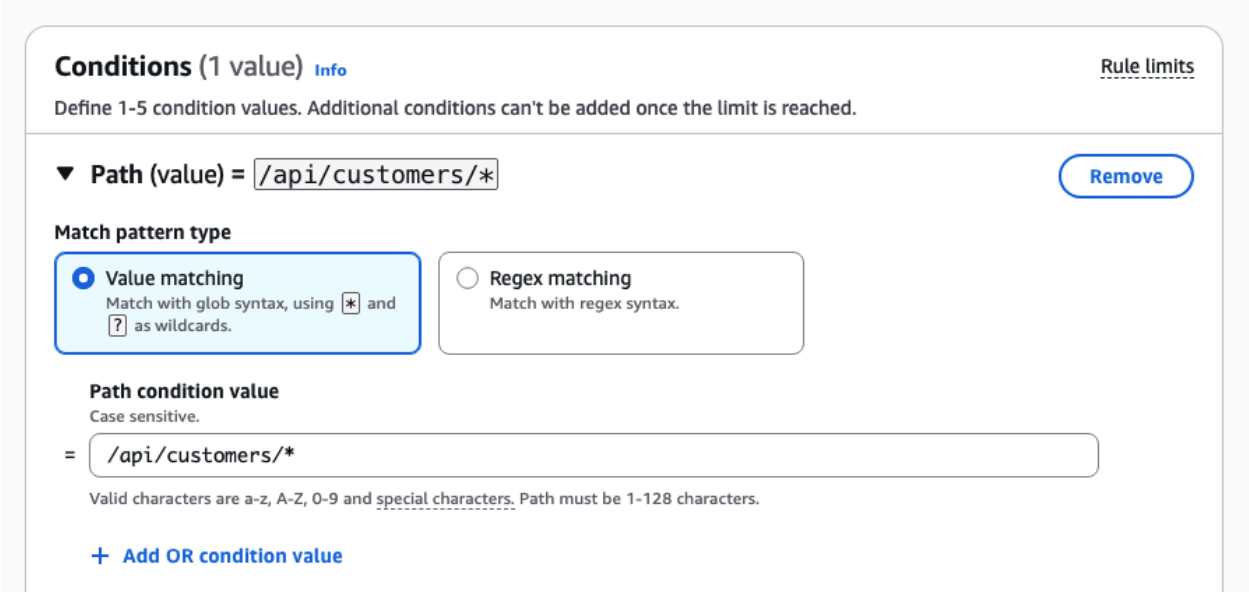
- We can edit the “Default” rule.



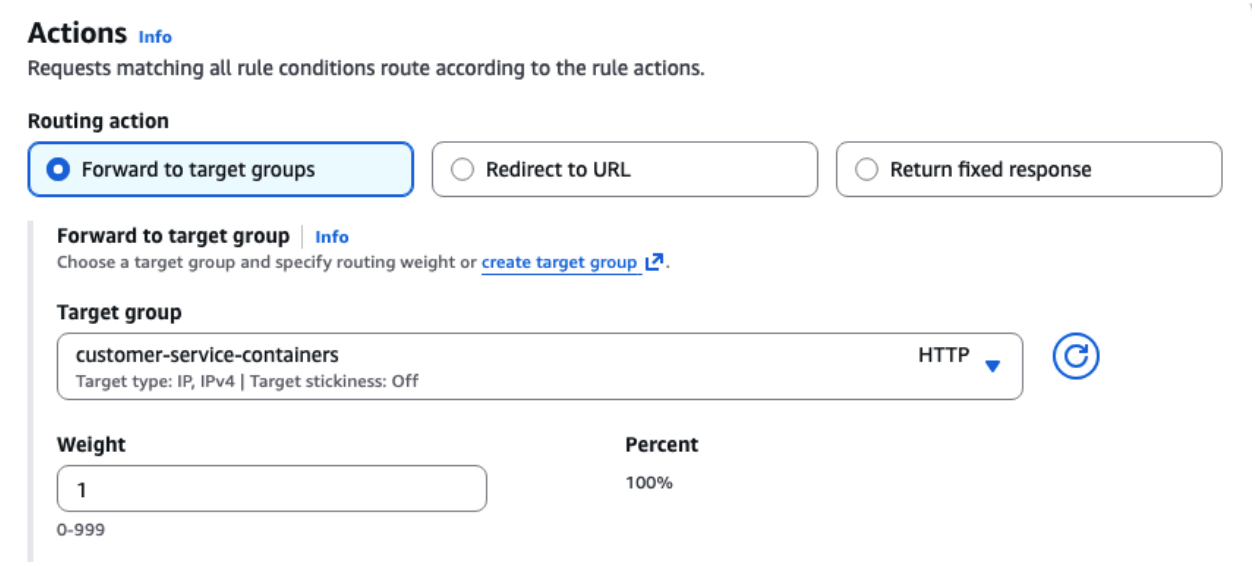
- We can change the default response as shown below or anything you prefer!



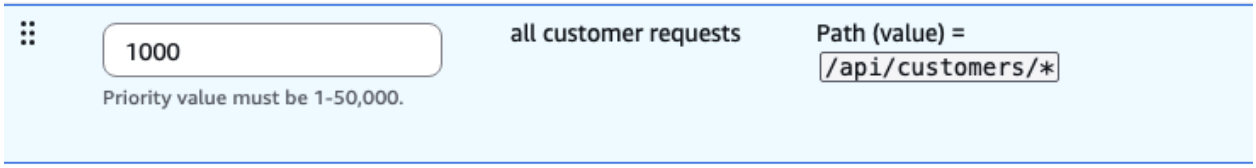
- Repeat the same for customer-service requests. Ensure that condition is selected as shown below.



- Select **Actions** as shown below.



- I set the priority as 1000



- Add the rule.

Verify

- Finally we should have 3 rules as shown below.

Rules | Attributes | Tags

Listener rules (3) Info

Traffic received by the listener is routed according to the default action and any additional rules. Rules are evaluated in priority order from

Filter rules

	Priority	Name tag	Conditions (If)	Actions (Then)
☐	500	all movie requests	Path (value) = `/api/movies*`	• **Forward to target group** movie-service-containers: 1 (100%) Target group stickiness: Off
☐	1000	all customer requests	Path (value) = `/api/customers/*`	• **Forward to target group** customer-service-containers: 1 (100%) Target group stickiness: Off
☐	Last (default)	*Default*	*If no other rule applies*	• **Return fixed response** Response code: 404 Response body: :(Response content type: text/plain