

Deploying The Services

- Go to Tasks Definition
- Create a service for *movie-service*

Amazon Elastic Container Service > Task definitions

Task definitions (2) [Info](#)

Filter by status: Active

Deploy [▲](#)

Create service
Update service
Run task

Task definition	Status of last revision
<input type="radio"/> customer-service	ACTIVE
<input checked="" type="radio"/> movie-service	ACTIVE

- Select Fargate Launch Type

Environment

Existing cluster

prod [▼](#) [↻](#) [Create a new cluster](#) [↗](#)

▼ Compute configuration (advanced)

Compute options [Info](#)

To ensure task distribution across your compute types, use appropriate compute options.

☐ Capacity provider strategy

Specify a launch strategy to distribute your tasks across one or more capacity providers.

☒ Launch type

Launch tasks directly without the use of a capacity provider strategy.

Launch type [Info](#)

Select either managed capacity (Fargate), or custom capacity (EC2 or user-managed, External instances). Extend your cluster using the ECS Anywhere capability.

FARGATE [▼](#)

Platform version [Info](#)

Specify the platform version on which to run your service.

LATEST [▼](#)

- Service name
 - 0 desired tasks. We will change it to 2 later.

Family

movie-service ▼

Revision

3

Service name

Assign a unique name for this service.

movie-service

Service type [Info](#)

Specify the service type that the service scheduler will follow.

☒ Replica

Place and maintain a desired number of tasks across your cluster.

☐ Daemon

Place and maintain one copy of your task on each container instance.

Desired tasks

Specify the number of tasks to launch.

0

- Rolling update deployment

▼ Deployment options

Deployment type [Info](#)

Select a deployment controller type for the service.

☒ Rolling update

☐ Blue/green deployment (powered by AWS CodeDeploy)

Min running tasks % [Info](#)

Specify the minimum percent of running tasks allowed during a service deployment.

100

values in %

Max running tasks % [Info](#)

Specify the maximum percent of running tasks allowed during a service deployment.

200

values in %

- We need service connect for internal service discovery

▼ Service Connect - optional

Configure this service in a namespace to create and resolve endpoints. Services can resolve endpoints within the same namespace without task or application configuration.

☒ Turn on Service Connect [Info](#)

Turn off Service Connect to remove the configuration.

Service Connect configuration

Client mode connects to other services in the namespace, and client-server mode provides endpoints for this service. If no port mappings are supplied in client-server mode, client mode will be used. This will redeploy the service.

☐ Client side only

Connects to other services in the namespace

☒ Client and server

Provides endpoints for this service and connects to other services in the namespace

Namespace

Select the namespace to specify a group of services that make up your application.

prod



Service Connect and discovery name configuration

Add ports to the container to send and receive traffic. This change will redeploy the existing service.

Service Connect Service - 1

Remove

Port alias

movie-service-808...

Discovery

movie-service

DNS

movie-service

Port

8080

- The discovery name is optional
- If DNS is ignored, then it will use **movie-service.prod**
- Select the Network. Apps will be running inside the private subnets 1 and 2

▼ Networking

VPC [Info](#)

Choose the Virtual Private Cloud to use.

vpc-057e4b12c96c3791e

netflux-vpc



Subnets

Choose the subnets within the VPC that the task scheduler should consider for placement.

Choose subnets



Clear current selection

subnet-09a520c47beab00f5



netflux-subnet-private2-us-east-1b
us-east-1b 10.0.4.0/24

subnet-0a785440f9aba8fc9



netflux-subnet-private1-us-east-1a
us-east-1a 10.0.3.0/24

- Associate the Security Group. We do NOT need public ip.

Security group [Info](#)

Choose an existing security group or create a new security group.

☒ Use an existing security group

☐ Create a new security group

Security group name

Choose an existing security group.

Choose security groups

sg-0f8140a3ae11308ee ✕
netflix-app-sg

Public IP [Info](#)

Choose whether to auto-assign a public IP to the task's elastic network interface (ENI).

☒ Turned off

- Our application will receive traffic from the application load balancer.

▼ Load balancing - optional

Configure load balancing using Amazon Elastic Load Balancing to distribute traffic evenly across the healthy tasks

Load balancer type [Info](#)

Configure a load balancer to distribute incoming traffic across the tasks running in your service.

Application Load Balancer

Container

The container and port to load balance the incoming traffic to

movie-service 8080:8080

Host port:Container port

- Associate the ALB and grace period 90s

Application Load Balancer

Specify whether to create a new load balancer or choose an existing one.

- ☐ Create a new load balancer
- ☒ Use an existing load balancer

Load balancer

Select the load balancer you wish to use to distribute incoming traffic across the tasks running in your service.

netflux-alb ▼

Health check grace period [Info](#)

90

seconds

- ALB listener is 80

Listener [Info](#)

Specify the port and protocol that the load balancer will listen for connection requests on.

- ☐ Create new listener
- ☒ Use an existing listener

Listener

80:HTTP ▼

Listener rules for [80:HTTP](#) (2)

Traffic received by the listener is routed according to its rules. Rules are evaluated in priority order, from the lowest value to the highest value. The default rule is evaluated last.

< 1 >

Evaluation order ▼	Rule path ▼	Target group ▼
500	/api/movies*	movie-service-containers ↗
1000	/api/customers/*	customer-service-containers ↗

- Select the target groups

Target group [Info](#)

Specify whether to create a new target group or choose an existing one that the load balancer will use to route requests to the tasks in your service.

☐ Create new target group

☒ Use an existing target group

Target group name

movie-service-containers ▼

Health check path

/actuator/health

Health check protocol

HTTP

- Let's go with default settings and Create.
- Repeat the same for customer-service