

RDS	1
NAT Gateway	1
ECS/Fargate Service	3
Movie-Service	3
Having Issues?	4
Customer-Service	5
Front End	5

RDS

- Start the DB Instance

NAT Gateway

- Our app is going to be running inside a private subnet. We need to pull ECR images. There will NOT be any connectivity. We need to add the NAT gateway.
- Go to VPC & Create NAT gateway

Name	NAT gateway ID	Connectivity...	State
No NAT gateways found			

- NAT gateway will be part of the public subnet. We will allocate an Elastic IP address.

NAT gateway settings

Name - optional

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

Subnet

Select a subnet in which to create the NAT gateway.



Connectivity type

Select a connectivity type for the NAT gateway.

 Public Private

Elastic IP allocation ID [Info](#)

Assign an Elastic IP address to the NAT gateway.

- Create
- Go to Route Tables. The private subnet 1 and 2 should have NAT gateway associated with it.

Route tables (6) [Info](#)

 Find resources by attribute or tag

<input type="checkbox"/>	Name	▲	Route table ID	▼	Ex
<input type="checkbox"/>	-		rtb-08eaba530d3268ea3		-
<input type="checkbox"/>	netflix-rtb-private1-us-east-1a		rtb-008328e4e116c5496		sul
<input type="checkbox"/>	netflix-rtb-private2-us-east-1b		rtb-094cc4f401a05234d		sul
<input type="checkbox"/>	netflix-rtb-private3-us-east-1a		rtb-0643d8c8fe783becf		sul
<input type="checkbox"/>	netflix-rtb-private4-us-east-1b		rtb-0b3db4d8e28af791e		sul
<input type="checkbox"/>	netflix-rtb-public		rtb-0f91cdbbc5c46136f		2 s

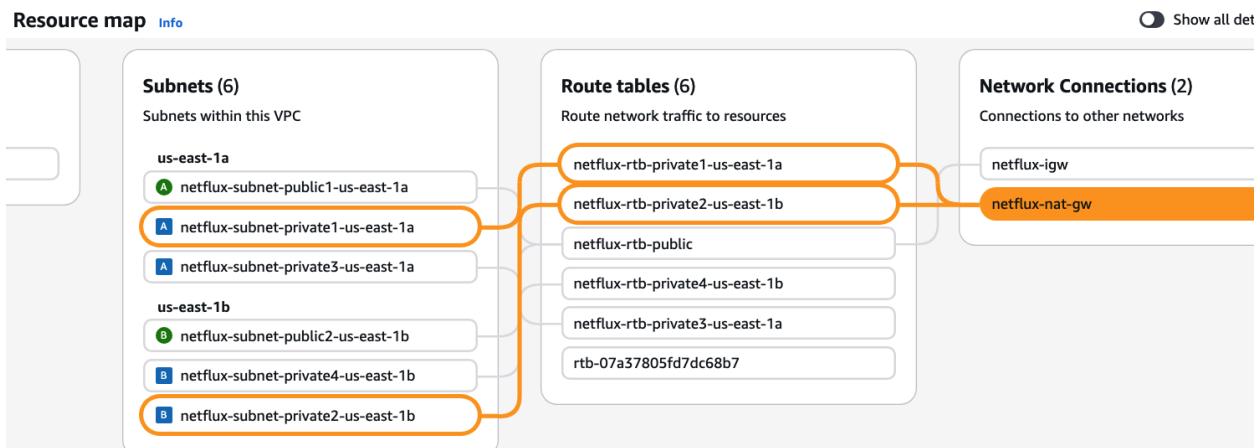
Edit routes

Destination	Target	Status
10.0.0.0/16	local	Active
<input type="text" value="0.0.0.0/0"/> X	<input type="text" value="local"/> X	-
	NAT Gateway	
	<input type="text" value="nat-0d897b0752b286f99"/> X	

rtb-008328e4e116c5496 / netflix-rtb-private1-us-east-1a

Details	Routes	Subnet associations	Edge associations	Route propagation	Tags
Routes (2)					
<input type="text"/> Filter routes					
Destination	▼	Target	▼	Status	
0.0.0.0/0		nat-0d897b0752b286f99		Active	
10.0.0.0/16		local		Active	

- Repeat the same for private-subnet2
 - Please ensure that VPC resource map shows the correct subnets when the NAT Gateway is selected.



ECS/Fargate Service

Movie-Service

- Go to Movie service. Update the service with desired tasks “2”

Family Revision

Service name
Assign a unique name for this 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.

- Wait for 3 to 5 minutes! We can see the apps running fine!

Amazon Elastic Container Service > Clusters > prod > Services > movie-service > Tasks

movie-service [Info](#)

Health and metrics | **Tasks** | Logs | Deployments | Events | Configuration and networking | Tags

Tasks (1/2)

Task	Last status	Desired st...	Task defi...	Health sta...	Started at	Container Insta
<input checked="" type="radio"/> 05b3e9...	<input checked="" type="radio"/> Running	<input checked="" type="radio"/> Running	movie-servi...	<input checked="" type="radio"/> Healthy	1 minute ago	-
<input type="radio"/> 9fefa31...	<input checked="" type="radio"/> Running	<input checked="" type="radio"/> Running	movie-servi...	<input checked="" type="radio"/> Healthy	1 minute ago	-

Having Issues?

Please refer to the **common issues** guide.

Customer-Service

- Repeat the same for customer-service and wait for 3 to 5 minutes.

The screenshot shows the AWS CloudWatch Metrics interface. The top navigation bar includes tabs for Services, Tasks, Infrastructure, Metrics, Scheduled tasks, and Tags. The Services tab is selected. Below the navigation is a search bar labeled "Filter services by value". To the right are two filter dropdowns: "Filter launch type" set to "Any launch type" and "Filter service type" set to "Any service type". A "Manage tags" button is also present. The main content area displays a table of services:

Service name	ARN	Status	Service type	Deployments and tasks
customer-service	arn:aws:ec...	Active	REPLICA	<div style="width: 100%;"><div style="width: 100%;">2/2 Tasks running</div></div>
movie-service	arn:aws:ec...	Active	REPLICA	<div style="width: 100%;"><div style="width: 100%;">2/2 Tasks running</div></div>