

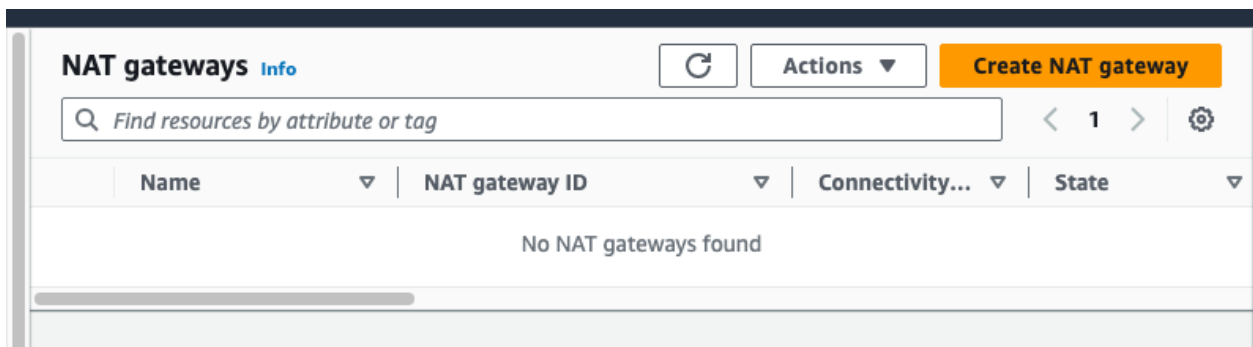
| | |
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RDS

- 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



- 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.

[Allocate Elastic IP](#)

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

Route tables (6) [Info](#)

| <input type="checkbox"/> | Name | ▲ | Route table ID | ▼ | Ex |
|--------------------------|---------------------------------|---|---------------------------------------|---|---------------------|
| <input type="checkbox"/> | - | | rtb-08eaba530d3268ea3 | | - |
| <input type="checkbox"/> | netflux-rtb-private1-us-east-1a | | rtb-008328e4e116c5496 | | sul |
| <input type="checkbox"/> | netflux-rtb-private2-us-east-1b | | rtb-094cc4f401a05234d | | sul |
| <input type="checkbox"/> | netflux-rtb-private3-us-east-1a | | rtb-0643d8c8fe783becf | | sul |
| <input type="checkbox"/> | netflux-rtb-private4-us-east-1b | | rtb-0b3db4d8e28af791e | | sul |
| <input type="checkbox"/> | netflux-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"/> | <input type="text" value="local"/> | |
| | NAT Gateway | - |
| | <input type="text" value="nat-0d897b0752b286f99"/> | |

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

Details | **Routes** | Subnet associations | Edge associations | Route propagation | Tags

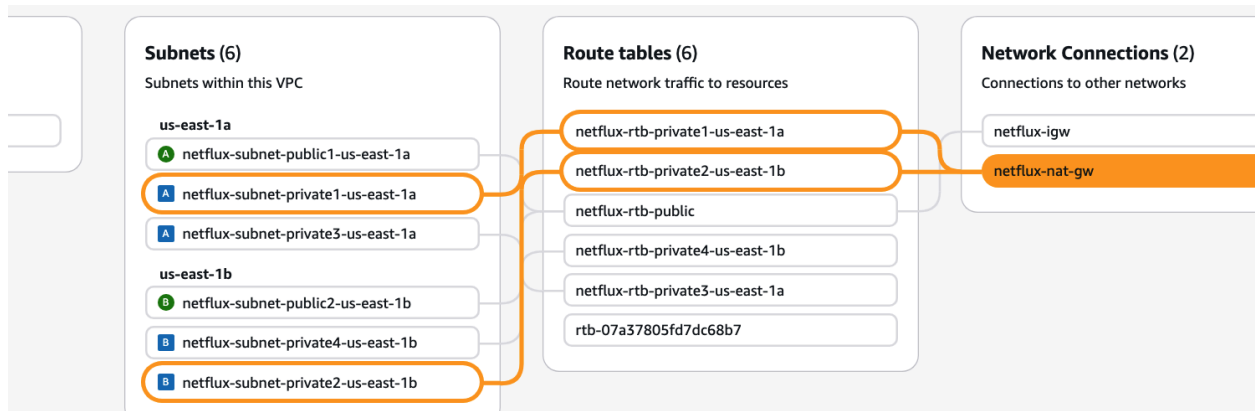
Routes (2)

| 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.

Resource map [Info](#)

☐ Show all det



ECS/Fargate Service

Movie-Service

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

The screenshot shows the 'Create service' form in the AWS ECS console. The 'Family' is set to 'movie-service' and the 'Revision' is '1 (LATEST)'. The 'Service name' is 'movie-service'. The 'Service type' is 'Replica' (selected), with a description: 'Place and maintain a desired number of tasks across your cluster.' The 'Daemon' option is also visible with the description: 'Place and maintain one copy of your task on each container instance.' The 'Desired tasks' field is set to '2'.

Family
movie-service ▼

Revision
1 (LATEST) ▼

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.
2

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

The screenshot shows the 'Tasks' page for the 'movie-service' in the AWS ECS console. The breadcrumb trail is: Amazon Elastic Container Service > Clusters > prod > Services > movie-service > Tasks. The 'Tasks' tab is selected, showing a list of 2 tasks. Both tasks are in a 'Running' state with a 'Healthy' status. The tasks are named '05b3e9...' and '9fefa31...'. The 'Task definition' for both is 'movie-servi...'. The 'Started at' time for both is '1 minute ago'. The 'Container insta' column shows a '-' sign.

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)

Filter tasks by property or value

Filter desired status: Running ▼

Filter launch type: Any launch type

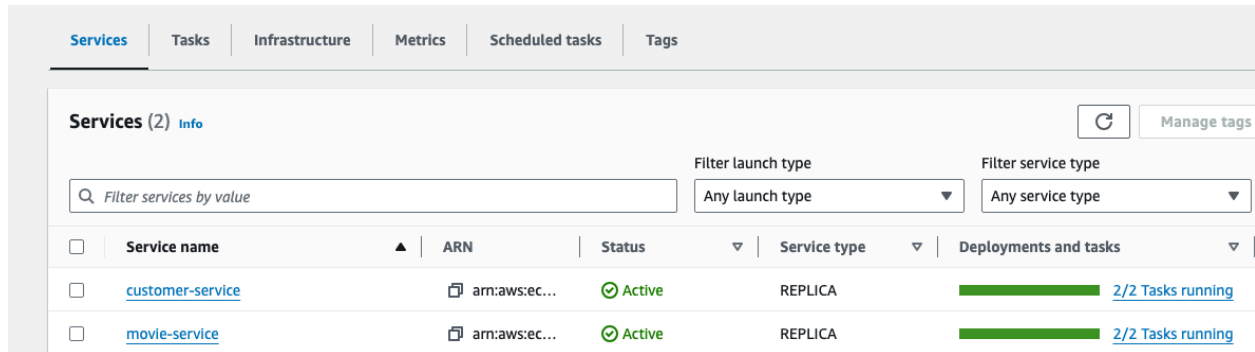
| | Task | Last status | Desired st... | Task defi... | Health sta... | Started at | Container insta |
|---|------------|-------------|---------------|----------------|---------------|--------------|-----------------|
| ● | 05b3e9... | Running | Running | movie-servi... | Healthy | 1 minute ago | - |
| ○ | 9fefa31... | Running | Running | movie-servi... | 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 displays the AWS IAM console's 'Services' tab. At the top, there are navigation tabs: 'Services' (selected), 'Tasks', 'Infrastructure', 'Metrics', 'Scheduled tasks', and 'Tags'. Below these, the 'Services (2)' section is visible, featuring a search bar and filter options for 'Filter launch type' and 'Filter service type'. A table lists the services, showing their names, ARNs, status, service types, and deployment details.

| <input type="checkbox"/> | Service name | ARN | Status | Service type | Deployments and tasks |
|--------------------------|----------------------------------|---------------|--------|--------------|---|
| <input type="checkbox"/> | customer-service | arn:aws:ec... | Active | REPLICA | <div></div> 2/2 Tasks running |
| <input type="checkbox"/> | movie-service | arn:aws:ec... | Active | REPLICA | <div></div> 2/2 Tasks running |