

## Pushing code changes to GitHub

---

```
PS D:\my-docker-project> git add .
PS D:\my-docker-project> git commit -m "Recreating Infra"
[main be96671] Recreating Infra
 1 file changed, 2 insertions(+), 2 deletions(-)
PS D:\my-docker-project> git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 533 bytes | 41.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/ImSD-CLOUD/my-terraform-docker-project.git
 43a414f..be96671  main -> main
PS D:\my-docker-project> git add .
PS D:\my-docker-project> git commit -m "Updated index.html with new design"
[main cd97e97] Updated index.html with new design
 1 file changed, 44 insertions(+), 6 deletions(-)
PS D:\my-docker-project> git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 1.06 KiB | 90.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ImSD-CLOUD/my-terraform-docker-project.git
  be96671..cd97e97  main -> main
PS D:\my-docker-project> |
```



# GitHub Actions workflow running upon code change

ImSD-CLOUD / my-terraform\_docker-project

Q Type to search

+

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Deploy to AWS

Updated index.html with new design #7

Re-run all jobs

Summary

Jobs

Deploy Infra and App

Run details

Usage

Workflow file

Annotations

2 warnings

Deploy Infra and App

succeeded 38 minutes ago in 3m 54s

Search logs

> Set up job

3s

> Checkout Code

0s

> Configure AWS credentials

1s

> Setup Terraform

1s

> Terraform Init

5s

> Terraform Validate

2s

> Terraform Apply

7s

> Get ECR URL from Terraform Output

1s

> Login to Amazon ECR

0s

> Build, tag, and push image to Amazon ECR

9s

> Download Task Definition

3s

> Fill in the new image ID in the Amazon ECS task definition

0s

> Deploy Amazon ECS task definition

3m 19s

> Post Login to Amazon ECR

0s

> Post Configure AWS credentials

0s

> Post Checkout Code

0s

> Complete job

0s

# Docker cluster created and tasks are running

Amazon Elastic  
Container Service

Express Mode [New](#)

[Clusters](#)

[Namespaces](#)

[Task definitions](#)

[Account settings](#)

[Amazon ECR](#)

[Repositories](#)

[AWS Batch](#)

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## docker-cluster

Last updated  
22 November 2025, 21:33 (UTC+5:30)

[Actions](#)

Create with Express Mode

### Cluster overview

ARN  arn:aws:ecs:us-east-1:931498157388:cluster/docker-cluster	Status  Active	CloudWatch monitoring  Default	Registered container instances -
Services Draining -	Active 1	Tasks Pending -	Running 2

[Services](#) | [Tasks](#) | [Infrastructure](#) | [Metrics](#) | [Scheduled tasks](#) | [Configuration](#) | [Event history](#) | [Tags](#)

### Services (1) [Info](#)

Last updated  
22 November 2025, 21:33 (UTC+5:30)

[Manage tags](#)

[Update](#)

[Delete service](#)

[Create](#)

Filter launch type  
Any launch type

Filter scheduling strategy  
Any scheduling strategy

Filter resource management type  
Any resource management type

<input type="checkbox"/>	Service name	ARN	Status	Schedu...	Launc...	Task de...	Deployments and tasks	Last deployment	Created at
<input type="checkbox"/>	<a href="#">app-service</a>	 arn:aws:ecs:us-e	 Active	REPLICA	FARGATE	<a href="#">app-task-...</a>	<div></div> 2/2 tasks running	 Completed <a href="#">View</a>	1 hour ago

Task definitions are available

Amazon Elastic Container Service

Express Mode [New](#)

Clusters

Namespaces

Task definitions

Account settings

Amazon ECR [↗](#)

Repositories [↗](#)

Amazon Elastic Container Service

Task definitions

app-task-definition

ⓘ

🔍

🔒

app-task-definition (3) [Info](#)

Last updated

22 November 2025, 20:55 (UTC+5:30)

🔄

Deploy ▾

Actions ▾

Create new revision ▾

🔍

Filter task definition revisions by value

Filter status

Active ▾

☐

Task definition: revision

▼

☐

[app-task-definition:5](#)

✓ Active

☐

[app-task-definition:4](#)

✓ Active

☐

[app-task-definition:3](#)

✓ Active

Docker repository has been created on ECR

Amazon Elastic  
Container Registry

▼ Private registry

Repositories

Features & Settings

▼ Public registry

Repositories

Settings

ECR public gallery

Amazon ECS

Amazon EKS

Private repositories (1)

Search by repository substring

View push commands

Delete

Actions

Create repository

Repository name	URI	Created at	Tag immutability	Encryption type
repo	931498157388.dkr.ecr.us-east-1.amazonaws.com/repo	22 November 2025, 20:24:42 (UTC+05.5)	Mutable	AES-256

# Dockerfile images are available inside the repository

Amazon Elastic Container Registry

▼ Private registry

Repositories

Images

Permissions

Lifecycle Policy

Repository tags

Features & Settings

▼ Public registry

Repositories

Settings



Amazon ECR > Private registry > Repositories > Images


repo


SummaryImages

Images (2)

Filter active images

<input type="checkbox"/>	Image tags	Type	Created at	Image size	Image digest	Last pulled at
<input type="checkbox"/>	<a href="#">cd97e97fd17695d8512ed65fedfcf6c63fa94281, latest</a>	Image	22 November 2025, 20:49:45 (UTC+05.5)	22.62	 sha256:c304143...	22 November 2025, 20:50:33 (UTC+05.5)
<input type="checkbox"/>	<a href="#">be96671d4b5d163e7c42684d0e50b38bb97d962a</a>	Image	22 November 2025, 20:28:20 (UTC+05.5)	22.62	 sha256:48a55aaa...	22 November 2025, 20:29:52 (UTC+05.5)

 Delete

 Copy URI

Details

Scan

View push commands

## All the 4 VPC Endpoints have been created successfully

VPC > Endpoints

VPC dashboard

AWS Global View

Filter by VPC:

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only Internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers

Security

Network ACLs

Security groups

Endpoints (1/4) Info

Find endpoints by attribute or tag

Actions

Create endpoint

	Name	VPC endpoint ID	Endpoint type	Status	Service name
<input type="checkbox"/>	ECR-DKR-Interface-Endpoint	<a href="#">vpce-0f4770c299162d43c</a>	Interface	Available	com.amazonaws.us-east-1.ecr.dkr
<input type="checkbox"/>	ECR-API-Interface-Endpoint	<a href="#">vpce-0f382a0d8d71345e1</a>	Interface	Available	com.amazonaws.us-east-1.ecr.api
<input type="checkbox"/>	CloudWatch-Logs-Interface-Endpoint	<a href="#">vpce-004385f8cd27cdeb3</a>	Interface	Available	com.amazonaws.us-east-1.logs
<input checked="" type="checkbox"/>	S3-Gateway-Endpoint-for-ECR	<a href="#">vpce-0d9128be21edf40e8</a>	Gateway	Available	com.amazonaws.us-east-1.s3

vpce-0d9128be21edf40e8 / S3-Gateway-Endpoint-for-ECR

Details

Route tables

Policy

Tags

Route tables (1)

Manage route tables

Name	Route Table ID	Main	Associated Id
docker-private-rt	<a href="#">rtb-0b492c1daa1d6f4c9 (docker-privat...</a>	No	2 subnets



## First private subnet for ECS tasks

### Subnets (1/10) [Info](#)

Last updated  
8 minutes ago

[Actions](#)

[Create subnet](#)

Find subnets by attribute or tag

	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR	IPv6
<input type="checkbox"/>	-	<a href="#">subnet-006610e4a7acad2ef</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.48.0/20	-	-
<input checked="" type="checkbox"/>	docker-private-sn3	<a href="#">subnet-04f9b1fa43d76c1b8</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.3.0/24	-	-
<input type="checkbox"/>	docker-public-sn1	<a href="#">subnet-05da9eda10621e5ac</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.1.0/24	-	-
<input type="checkbox"/>	docker-public-sn4	<a href="#">subnet-00075d5caff2c6f96</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.4.0/24	-	-
<input type="checkbox"/>	-	<a href="#">subnet-052f4b6016cb66092</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.64.0/20	-	-
<input type="checkbox"/>	-	<a href="#">subnet-08fa43c3abec38b16</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.80.0/20	-	-
<input type="checkbox"/>	-	<a href="#">subnet-0ac920010e1164c27</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.16.0/20	-	-
<input type="checkbox"/>	-	<a href="#">subnet-062a5b2408b48f961</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.32.0/20	-	-
<input type="checkbox"/>	docker-private-sn2	<a href="#">subnet-01ea720832867c18a</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.2.0/24	-	-

### subnet-04f9b1fa43d76c1b8 / docker-private-sn3

subnet-04f9b1fa43d76c1b8

#### IPv4 CIDR

10.0.3.0/24

#### Availability Zone

us-east-1c

#### Network ACL

acl-032594aa4ad67f23d

#### Auto-assign customer-owned IPv4 address

No

arn:aws:ec2:us-east-1:95149815:subnet/subnet-04f9b1fa43d76c1b8

#### Available IPv4 addresses

247

#### Network border group

us-east-1

#### Default subnet

No

#### Customer-owned IPv4 pool

-

Available

#### IPv6 CIDR

-

#### VPC

vpc-012693e5c15e2c464

#### Auto-assign public IPv4 address

No

#### Outpost ID

-

UTT

#### IPv6 CIDR association ID

-

#### Route table

rtb-0b492c1daa1d6f4c9 | docker-private-rt

#### Auto-assign IPv6 address

No

#### IPv4 CIDR reservations

-

# First public subnet for Application Load Balancer

Subnets (1/10) Info

Last updated 12 minutes ago

Actions

Cre

Find subnets by attribute or tag

	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	-	<a href="#">subnet-006610e4a7acad2ef</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.48.0/20	-
<input type="checkbox"/>	docker-private-sn3	<a href="#">subnet-04f9b1fa43d76c1b8</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.3.0/24	-
<input checked="" type="checkbox"/>	docker-public-sn1	<a href="#">subnet-05da9eda10621e5ac</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.1.0/24	-
<input type="checkbox"/>	docker-public-sn4	<a href="#">subnet-00075d5caff2c6f96</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.4.0/24	-
<input type="checkbox"/>	-	<a href="#">subnet-052f4b6016cb66092</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.64.0/20	-
<input type="checkbox"/>	-	<a href="#">subnet-08fa43c3abec38b16</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.80.0/20	-
<input type="checkbox"/>	-	<a href="#">subnet-0ac920010e1164c27</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.16.0/20	-
<input type="checkbox"/>	-	<a href="#">subnet-062a5b2408b48f961</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.32.0/20	-
<input type="checkbox"/>	docker-private-sn2	<a href="#">subnet-01ea720832867c18a</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.2.0/24	-

## subnet-05da9eda10621e5ac / docker-public-sn1

subnet-05da9eda10621e5ac

### IPv4 CIDR

10.0.1.0/24

### Availability Zone

use1-az2 (us-east-1b)

### Network ACL

acl-032594aa4ad67f23d

### Auto-assign customer-owned IPv4 address

No

arn:aws:ec2:us-east-1:931498157588:subnet/subnet-05da9eda10621e5ac

### Available IPv4 addresses

249

### Network border group

us-east-1

### Default subnet

No

### Customer-owned IPv4 pool

-

Available

### IPv6 CIDR

-

### VPC

vpc-012693e5c15e2c464

### Auto-assign public IPv4 address

Yes

### Outpost ID

-

Off

### IPv6 CIDR association ID

-

### Route table

rtb-053457a3b16673d42 | docker-public-rt

### Auto-assign IPv6 address

No

### IPv4 CIDR reservations

-

## Second public subnet for Application Load Balancer

Subnets (1/10) <a href="#">Info</a>									
<input type="text" value="Find subnets by attribute or tag"/>									
Last updated 13 minutes ago <a href="#">Refresh</a> <a href="#">Actions</a> <a href="#">Create sub</a>									
<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR		
<input type="checkbox"/>	-	<a href="#">subnet-006610e4a7acad2ef</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.48.0/20	-		
<input type="checkbox"/>	docker-private-sn3	<a href="#">subnet-04f9b1fa43d76c1b8</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.3.0/24	-		
<input type="checkbox"/>	docker-public-sn1	<a href="#">subnet-05da9eda10621e5ac</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.1.0/24	-		
<input checked="" type="checkbox"/>	docker-public-sn4	<a href="#">subnet-00075d5caff2c6f96</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.4.0/24	-		
<input type="checkbox"/>	-	<a href="#">subnet-052f4b6016cb66092</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.64.0/20	-		
<input type="checkbox"/>	-	<a href="#">subnet-08fa43c3abec38b16</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.80.0/20	-		
<input type="checkbox"/>	-	<a href="#">subnet-0ac920010e1164c27</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.16.0/20	-		
<input type="checkbox"/>	-	<a href="#">subnet-062a5b2408b48f961</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.32.0/20	-		
<input type="checkbox"/>	docker-private-sn2	<a href="#">subnet-01ea720832867c18a</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.2.0/24	-		

### subnet-00075d5caff2c6f96 / docker-public-sn4

[subnet-00075d5caff2c6f96](#)

#### IPv4 CIDR

[10.0.4.0/24](#)

#### Availability Zone

[use1-az4](#) (us-east-1c)

#### Network ACL

[acl-032594aa4ad67f23d](#)

#### Auto-assign customer-owned IPv4 address

No

[arn:aws:ec2:us-east-1:95149815:588:subnet/subnet-00075d5caff2c6f96](#)

#### Available IPv4 addresses

[250](#)

#### Network border group

[us-east-1](#)

#### Default subnet

No

#### Customer-owned IPv4 pool

-

Available

#### IPv6 CIDR

-

#### VPC

[vpc-012693e5c15e2c464](#)

#### Auto-assign public IPv4 address

Yes

#### Outpost ID

-

Off

#### IPv6 CIDR association ID

-

#### Route table

[rtb-053457a3b16673d42](#) | [docker-public-rt](#)

#### Auto-assign IPv6 address

No

#### IPv4 CIDR reservations

-

## Second private subnet for ECS tasks

### Subnets (1/10) [Info](#)

Last updated  
15 minutes ago

Actions

Create

< 1

Find subnets by attribute or tag

	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	-	<a href="#">subnet-006610e4a7acad2ef</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.48.0/20	-
<input type="checkbox"/>	docker-private-sn3	<a href="#">subnet-04f9b1fa43d76c1b8</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.3.0/24	-
<input type="checkbox"/>	docker-public-sn1	<a href="#">subnet-05da9eda10621e5ac</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.1.0/24	-
<input type="checkbox"/>	docker-public-sn4	<a href="#">subnet-00075d5caff2c6f96</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.4.0/24	-
<input type="checkbox"/>	-	<a href="#">subnet-052f4b6016cb66092</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.64.0/20	-
<input type="checkbox"/>	-	<a href="#">subnet-08fa43c3abec38b16</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.80.0/20	-
<input type="checkbox"/>	-	<a href="#">subnet-0ac920010e1164c27</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.16.0/20	-
<input type="checkbox"/>	-	<a href="#">subnet-062a5b2408b48f961</a>	Available	<a href="#">vpc-024cf06e550af3e95</a>	Off	172.31.32.0/20	-
<input checked="" type="checkbox"/>	docker-private-sn2	<a href="#">subnet-01ea720832867c18a</a>	Available	<a href="#">vpc-012693e5c15e2c464</a>	Off	10.0.2.0/24	-

### subnet-01ea720832867c18a / docker-private-sn2

subnet-01ea720832867c18a

#### IPv4 CIDR

10.0.2.0/24

#### Availability Zone

us-east-1b

#### Network ACL

acl-032594aa4ad67f23d

#### Auto-assign customer-owned IPv4 address

No

arn:aws:ec2:us-east-1:93149815388:subnet/subnet-01ea720832867c18a

#### Available IPv4 addresses

247

#### Network border group

us-east-1

#### Default subnet

No

#### Customer-owned IPv4 pool

-

Available

#### IPv6 CIDR

-

#### VPC

vpc-012693e5c15e2c464

#### Auto-assign public IPv4 address

No

#### Outpost ID

-

Off

#### IPv6 CIDR association ID

-

#### Route table

rtb-0b492c1daa1d6f4c9 | docker-private-rt

#### Auto-assign IPv6 address

No

#### IPv4 CIDR reservations

-

## Public route table for Internet Gateway and Public Subnets

### Route tables (1/4) [Info](#)

Last updated  
16 minutes ago

[Actions](#)

[Create route](#)

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
<input checked="" type="checkbox"/>	docker-public-rt	<a href="#">rtb-053457a3b16673d42</a>	<a href="#">2 subnets</a>	–	No	<a href="#">vpc-012693e5c15e2c464</a>	931498157388
<input type="checkbox"/>	–	<a href="#">rtb-05d35975fa55e58f8</a>	–	–	Yes	<a href="#">vpc-012693e5c15e2c464</a>	931498157388
<input type="checkbox"/>	–	<a href="#">rtb-0728a211413297060</a>	–	–	Yes	<a href="#">vpc-024cf06e550af3e95</a>	931498157388
<input type="checkbox"/>	docker-private-rt	<a href="#">rtb-0b492c1daa1d6f4c9</a>	<a href="#">2 subnets</a>	–	No	<a href="#">vpc-012693e5c15e2c464</a>	931498157388

### rtb-053457a3b16673d42 / docker-public-rt

[Details](#) | [Routes](#) | [Subnet associations](#) | [Edge associations](#) | [Route propagation](#) | [Tags](#)

### Explicit subnet associations (2)

[Edit subnet associations](#)

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
docker-public-sn1	<a href="#">subnet-05da9eda10621e5ac</a>	10.0.1.0/24	–
docker-public-sn4	<a href="#">subnet-00075d5caff2c6f96</a>	10.0.4.0/24	–



## Private route table for NAT Gateway and Private Subnets

Route tables (1/4) [Info](#)

Last updated 20 minutes ago

Actions

Create route table

< 1 >

	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
<input type="checkbox"/>	docker-public-rt	<a href="#">rtb-053457a3b16673d42</a>	2 subnets	-	No	<a href="#">vpc-012693e5c15e2c464</a>	931498157388
<input type="checkbox"/>	-	<a href="#">rtb-05d35975fa55e58f8</a>	-	-	Yes	<a href="#">vpc-012693e5c15e2c464</a>	931498157388
<input type="checkbox"/>	-	<a href="#">rtb-0728a211413297060</a>	-	-	Yes	<a href="#">vpc-024cf06e550af3e95</a>	931498157388
<input checked="" type="checkbox"/>	docker-private-rt	<a href="#">rtb-0b492c1daa1d6f4c9</a>	2 subnets	-	No	<a href="#">vpc-012693e5c15e2c464</a>	931498157388

rtb-0b492c1daa1d6f4c9 / docker-private-rt

- Details
- Routes
- Subnet associations
- Edge associations
- Route propagation
- Tags

### Explicit subnet associations (2)

Edit subnet associations

< 1 >

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
docker-private-sn3	<a href="#">subnet-04f9b1fa43d76c1b8</a>	10.0.3.0/24	-
docker-private-sn2	<a href="#">subnet-01ea720832867c18a</a>	10.0.2.0/24	-

## Internet Gateway

Internet gateways (1/2) [Info](#)



Actions

<input type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner
<input checked="" type="checkbox"/>	docker-igw	<a href="#">igw-0066d5c1149cde5eb</a>	<span>Attached</span>	<a href="#">vpc-012693e5c15e2c464</a>	931498157388
<input type="checkbox"/>	-	<a href="#">igw-01ab32240ee7be251</a>	<span>Attached</span>	<a href="#">vpc-024cf06e550af3e95</a>	931498157388

igw-0066d5c1149cde5eb / docker-igw

Details

### Details

Internet gateway ID

igw-0066d5c1149cde5eb

State

Attached

VPC ID

[vpc-012693e5c15e2c464](#)

Owner

931498157388

# Elastic IP for NAT Gateway

Elastic IP addresses (1/1) [Info](#)

Find elastic IP addresses by attribute or tag

Actions

Allocate Elastic IP

<input checked="" type="checkbox"/>	Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associated instance ID	Private IP address
<input checked="" type="checkbox"/>	docker-nat-gw-eip	100.30.148.246	Public IP	eipalloc-05e576009e941133c	–	–	10.0.1.23

100.30.148.246

View IP address usage and recommendations to release unused IPs with [Public IP insights](#)

Summary

Tags

Summary

Allocated IPv4 address

100.30.148.246

Association ID

eipassoc-05c664b8e9b4c382f

Network interface ID

eni-0c4aa6fe0be8545d0

Address pool

Amazon

Type

Public IP

Scope

VPC

Network interface owner account ID

931498157388

Network border group

us-east-1

Allocation ID

eipalloc-05e576009e941133c

Associated instance ID

–

Public DNS

ec2-100-30-148-246.compute-1.amazonaws.com

Service managed

–

Reverse DNS record

–

Private IP address

10.0.1.23

NAT Gateway ID

nat-0679a329824672c2c (docker-nat-gw)



# NAT Gateway

NAT gateways (1/1) Info

Find NAT gateways by attribute or tag

Actions

Create NAT gateway

Name	NAT gateway ID	Connectivity...	State	State message	Availability mode	Route table ID	Primary public I...	Primary private I...
docker-nat-gw	<a href="#">nat-0679a329824672c2c</a>	Public	Available	-	Zonal	-	<a href="#">100.30.148.246</a>	10.0.1.23

nat-0679a329824672c2c / docker-nat-gw

- Details
- Secondary IPv4 addresses
- Monitoring
- Tags

## Details

<b>NAT gateway ID</b> nat-0679a329824672c2c	<b>Connectivity type</b> Public	<b>State</b> Available	<b>State message</b> -
<b>NAT gateway ARN</b> arn:aws:ec2:us-east-1:931498157388:natgateway/nat-0679a329824672c2c	<b>Primary public IPv4 address</b> <a href="#">100.30.148.246</a>	<b>Primary private IPv4 address</b> 10.0.1.23	<b>Primary network interface ID</b> <a href="#">eni-0c4aa6fe0be8545d0</a>
<b>VPC</b> vpc-012693e5c15e2c464	<b>Subnet</b> subnet-05da9eda10621e5ac / docker-public-sn1	<b>Created</b> Saturday 22 November 2025 at 20:25:04 GMT+5:30	<b>Deleted</b> -

# Endpoint Security Group for VPC Endpoints

## Security Groups (1/5) Info

Find security groups by attribute or tag

Actions Export security groups to CSV Create security group

	Name	Security group ID	Security group name	VPC ID	Description
<input checked="" type="checkbox"/>	endpoint-security-gr...	sg-07ab6d3328bcdaf9	endpoint_sg	vpc-012693e5c15e2c464	Allows inbound traffic to VPC Endpoints (ECR/CloudWatch) from App Tasks
<input type="checkbox"/>	alb-security-group	sg-01c4e6646f7b48867	alb-sg	vpc-012693e5c15e2c464	Allows HTTP/HTTPS access from the internet to the ALB
<input type="checkbox"/>	-	sg-091a132c8876573cf	default	vpc-012693e5c15e2c464	default VPC security group
<input type="checkbox"/>	-	sg-00057b213350f3ecd	default	vpc-024cf06e550af3e95	default VPC security group
<input type="checkbox"/>	application-security-...	sg-07343cda16f6920e0	app_sg	vpc-012693e5c15e2c464	Security group for ECS Tasks (application containers)

## sg-07ab6d3328bcdaf9 - endpoint\_sg

Details Inbound rules Outbound rules Sharing - new VPC associations - new Tags

### Inbound rules (1)

Manage tags Edit inbound rules

Search

	Name	Security group rule ID	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sgr-0c9290f101c8b7bd2	-	HTTPS	TCP	443	sg-07343cda16f6920e0...	Allow HTTPS from App ..

# ALB Security Group for Application Load Balancer

Security Groups (1/5) Info

Find security groups by attribute or tag

ActionsExport security groups to CSVCreate security group

<1>

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	endpoint-security-gr...	sg-07ab6d3328bcdaf9	endpoint_sg	vpc-012693e5c15e2c464	Allows inbound traffic to VPC Endpoints (ECR/CloudWatch) from App Tasks
<input checked="" type="checkbox"/>	alb-security-group	sg-01c4e6646f7b48867	alb-sg	vpc-012693e5c15e2c464	Allows HTTP/HTTPS access from the internet to the ALB
<input type="checkbox"/>	-	sg-091a132c8876573cf	default	vpc-012693e5c15e2c464	default VPC security group
<input type="checkbox"/>	-	sg-00057b213350f3ecd	default	vpc-024cf06e550af3e95	default VPC security group
<input type="checkbox"/>	application-security-...	sg-07343cda16f6920e0	app_sg	vpc-012693e5c15e2c464	Security group for ECS Tasks (application containers)

sg-01c4e6646f7b48867 - alb-sg

- Details
- Inbound rules
- Outbound rules
- Sharing - new
- VPC associations - new
- Tags

Inbound rules (2)

Search

Manage tagsEdit inbound rules

<1>

	Name	Security group rule ID	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sgr-0211b83916af4b5b0	IPv4	HTTP	TCP	80	0.0.0.0/0	Allow http from the In...
<input type="checkbox"/>	-	sgr-08a18533ea8981515	IPv4	HTTPS	TCP	443	0.0.0.0/0	Allow https from the In...

# Application Security Group for tasks running on ECS

Security Groups (1/5) Info

Find security groups by attribute or tag

Actions

Export security groups to CSV

Create security group

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	endpoint-security-group	sg-07ab6d3328bccdaef9	endpoint_sg	vpc-012693e5c15e2c464	Allows inbound traffic to VPC Endpoints (ECR/CloudWatch) from
<input type="checkbox"/>	alb-security-group	sg-01c4e6646f7b48867	alb-sg	vpc-012693e5c15e2c464	Allows HTTP/HTTPS access from the internet to the ALB
<input type="checkbox"/>	-	sg-091a132c8876573cf	default	vpc-012693e5c15e2c464	default VPC security group
<input type="checkbox"/>	-	sg-00057b213350f3ecd	default	vpc-024cf06e550af3e95	default VPC security group
<input checked="" type="checkbox"/>	application-security-group	sg-07343cda16f6920e0	app_sg	vpc-012693e5c15e2c464	Security group for ECS Tasks (application containers)

sg-07343cda16f6920e0 - app\_sg

Details

Inbound rules

Outbound rules

Sharing - new

VPC associations - new

Tags

Inbound rules (1)

Search

Manage tags

Edit inbound rules

	Name	Security group rule ID	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sgr-0feceb03c06710d69	-	HTTP	TCP	80	sg-01c4e6646f7b48867...	Allow traffic from ALB

# IAM Roles

## Roles (7) [Info](#)

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

<input type="checkbox"/>	Role name	▲   Trusted entities	Last activity
<input type="checkbox"/>	<a href="#">AWSServiceRoleForECS</a>	AWS Service: ecs ( <a href="#">Service-Linked Role</a> )	9 minutes ago
<input type="checkbox"/>	<a href="#">AWSServiceRoleForElasticLoadBalancing</a>	AWS Service: elasticloadbalancing ( <a href="#">Service-Linked Role</a> )	1 hour ago
<input type="checkbox"/>	<a href="#">AWSServiceRoleForResourceExplorer</a>	AWS Service: resource-explorer-2 ( <a href="#">Service-Linked Role</a> )	26 minutes ago
<input type="checkbox"/>	<a href="#">AWSServiceRoleForSupport</a>	AWS Service: support ( <a href="#">Service-Linked Role</a> )	-
<input type="checkbox"/>	<a href="#">AWSServiceRoleForTrustedAdvisor</a>	AWS Service: trustedadvisor ( <a href="#">Service-Linked Role</a> )	-
<input type="checkbox"/>	<a href="#">ecs-fargate-execution-role</a>	AWS Service: ecs-tasks	9 minutes ago
<input type="checkbox"/>	<a href="#">ecs-fargate-task-role</a>	AWS Service: ecs-tasks	30 minutes ago

Roles Anywhere

# CloudWatch Log Group for tasks

CloudWatch

Favorites and recents

Dashboards

AI Operations

Alarms

In alarm

All alarms

Billing

Logs

Log groups

Log Anomalies

Live Tail

Logs Insights

Contributor Insights

Metrics

Application Signals (APM)

GenAI Observability

Network Monitoring

Flow monitors

Internet monitors

CloudWatch > Log groups > /ecs/app-task-definition

CloudWatch

/ecs/app-task-definition

Actions

View in Logs Insights

Start tailing

Search log group

Log group details

Log class  
Standard

ARN  
arn:aws:logs:us-east-1:931498157388:log-group:/ecs/app-task-definition:\*

Creation time  
2 hours ago

Retention  
1 week

Stored bytes  
-

Metric filters  
0

Subscription filters  
0

Contributor Insights rules  
-

KMS key ID  
-

Data protection  
-

Sensitive data count  
-

Custom field indexes  
Configure

Transformer  
Configure

Anomaly detection  
Configure

Log streams

Tags

Anomaly detection

Metric filters

Subscription filters

Contributor Insights

Data protection

Field indexes

Transformer

Log streams (4)

By default, we only load the most recent log streams.

Filter log streams or try prefix search

Exact match

Show expired

Info

Delete

Create log stream

Search all log streams

Log stream	Last event time
ecs/app/b45aebe91767406b843b5726024c296a	2025-11-22 16:24:45 (UTC)
ecs/app/b353360ff5724caba5162881a17d46a5	2025-11-22 15:42:22 (UTC)



## Target Group associated with Load Balancer

EC2 > Target groups

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Capacity Manager New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups

Trust Stores

▼ Auto Scaling

Auto Scaling Groups

Settings

Target groups (1/1) [Info](#) | [What's new?](#)

<input checked="" type="checkbox"/>	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input checked="" type="checkbox"/>	<a href="#">app-target-group</a>	<a href="#">arn:aws:elasticloadbalancing...</a>	80	HTTP	IP	app-alb	vpc-012693e5c15e2c464

Target group: app-target-group

Details

Targets

Monitoring

Health checks

Attributes

Tags

Details

[arn:aws:elasticloadbalancing:us-east-1:931498157388:targetgroup/app-target-group/d9b2f812178335fc](#)

Target type

IP

Protocol : Port

HTTP: 80

Protocol version

HTTP1

VPC

[vpc-012693e5c15e2c464](#)

IP address type

IPv4

Load balancer

[app-alb](#)

2

Total targets

2

Healthy

0

Anomalous

0

Unhealthy

0

Unused

0

Initial

0

Draining

▼ Distribution of targets by Availability Zone (AZ)  
Select values in this table to see corresponding filters applied to the Registered targets table below.

Zone	Total targets	Healthy	Unhealthy	Unused	Initial	Draining
<a href="#">us-east-1b (use1-az2)</a>	1	1	0	0	0	0
<a href="#">us-east-1c (use1-az4)</a>	1	1	0	0	0	0

# Application Load Balancer

## app-alb

🔄 Actions ▾

### ▼ Details

**Load balancer type**  
Application

**Status**  
🟢 Active

**VPC**  
[vpc-012693e5c15e2c464](#) 🔗

**Load balancer IP address type**  
IPv4

**Scheme**  
Internet-facing

**Hosted zone**  
Z35SXDOTRQ7X7K

**Availability Zones**  
[subnet-05da9eda10621e5ac](#) 🔗 us-east-1b (use1-az2)  
[subnet-00075d5caff2c6f96](#) 🔗 us-east-1c (use1-az4)

**Date created**  
November 22, 2025, 20:25 (UTC+05:30)

**Load balancer ARN**  
[arn:aws:elasticloadbalancing:us-east-1:931498157388:loadbalancer/app/app-alb/66bb607deba56122](#)

**DNS name** [Info](#)  
[app-alb-1085583847.us-east-1.elb.amazonaws.com](#) (A Record)

[Listeners and rules](#)

[Network mapping](#)

[Resource map](#)

[Security](#)

[Monitoring](#)

[Integrations](#)

[Attributes](#)

[Capacity](#)

[Tags](#)

### Listeners and rules (1) [Info](#)



Manage rules ▾

Manage listener ▾

Add listener

A listener checks for connection requests on its configured protocol and port. Traffic received by the listener is routed according to the default action and any additional rules.

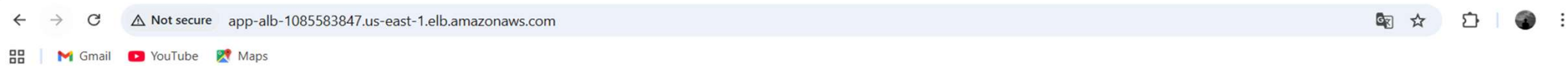
🔍 Filter listeners

< 1 > ⚙️

<input type="checkbox"/>	Protocol:Port	Default action	Rules	ARN	Security policy	Default SSL/TLS certificate	mTLS	Trust store
<input type="checkbox"/>	<a href="#">HTTP:80</a>	<ul style="list-style-type: none"><li>Forward to target group <a href="#">app-target-group</a> 🔗: 1 (100%) Target group stickiness: Off</li></ul>	<a href="#">1 rule</a>	<a href="#">ARN</a>	Not applicable	Not applicable	Not applicable	Not applicable



## Application successfully deployed and accessible on the web



### Deployed on AWS Fargate

Infrastructure powered by Terraform. Deployments automated with GitHub Actions.

Pipeline Active

thank  
YOU  
SO MUCH

