

# Orquestación de Contenedores

## 1. Crear un Cluster

Cluster bartze-cluster has been created successfully.

View cluster

×

Clusters (1) [Info](#)

Search clusters

< 1 > ⚙

Cluster

Services

Tasks

Container instances

CloudWatch monitoring

Capacity provider strategy

[bartze-cluster](#)

0

No tasks running

0 EC2

Default

No default found

## 2. Crear un tipo de tarea para el servicio (task definition)

bartze-task:1

Deploy

Actions

Create new revision

Overview [Info](#)

ARN

arn:aws:ecs:us-east-1:322423734075:task-definition/bartze-task:1

Task role

[LabRole](#)

Task execution role

[LabRole](#)

Fault injection

Turned off

Status

ACTIVE

Time created

February 20, 2025 at 12:49 (UTC+1:00)

App environment

Fargate

Operating system/Architecture

Linux/X86\_64

Network mode

awsvpc

Containers

JSON

Task placement

Volumes (0)

Requires attributes

Tags

Task size

Task CPU

1024 units (1 vCPU)

Task CPU maximum allocation for containers

CPU (unit)

01002003004005006007008009001000

Task memory

3072 MIB (3 GB)

Task memory maximum allocation for container memory reservation

Memory (MiB)

020040060080010001200140016001800200022002400260028003000

Containers [Info](#)

Container name

Image

Private registry

Essential

CPU

Memory hard/soft limit

GPU

[alba-digi-api-rest](#)

[public.ecr.aws/n0h7v...](#)

-

Yes

0

-/2 GB

-

## 3. Crear un balanceador de carga

Successfully created load balancer: alba-digi-load-balancer

It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.

Actions

×

alba-digi-load-balancer

Details

Load balancer type

Application

Scheme

Internet-facing

Status

Provisioning

Hosted zone

Z35XDOTRQ7X7K

VPC

vpc-0775acb23924d32f0

Availability Zones

subnet-0da5de1edc816a365

us-east-1b (use1-az1)

subnet-041799ea9f9b7850a

us-east-1a (use1-az6)

subnet-0bc56ec4d1980444b

us-east-1f (use1-az5)

subnet-0fa42f97c5f47bda1

us-east-1c (use1-az2)

subnet-024ebb36070d9e89b

us-east-1d (use1-az4)

subnet-00bc45b93283e991b

us-east-1e (use1-az3)

Load balancer IP address type

IPv4

Date created

February 20, 2025, 13:01 (UTC+01:00)

Load balancer ARN

arn:aws:elasticloadbalancing:us-east-1:322423734075:loadbalancer/app/alba-digi-load-balancer/8d8387d570cfcad

DNS name

alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com (A Record)

## 4. Crear el servicio

## Create [Info](#)

### Environment

AWS Fargate

#### Existing cluster

bartze-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). External instances are registered to your cluster using the ECS Anywhere capability.

FARGATE

##### Platform version [Info](#)

Specify the platform version on which to run your service.

LATEST

## Deployment configuration

### Application type [Info](#)

Specify what type of application you want to run.

#### ☒ Service

Launch a group of tasks handling a long-running computing work that can be stopped and restarted. For example, a web application.

#### ☐ Task

Launch a standalone task that runs and terminates. For example, a batch job.

### Task definition

Select an existing task definition. To create a new task definition, go to [Task definitions](#).

#### ☐ Specify the revision manually

Manually input the revision instead of choosing from the 100 most recent revisions for the selected task definition family.

#### Family

bartze-task



#### Revision

1 (LATEST)

### Service name

Assign a service name that is unique for this cluster.

alba-digl-service

Up to 255 letters (uppercase and lowercase), numbers, underscores, and hyphens are allowed. Service names must be unique within a cluster.

### 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

#### ▼ 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 %

#### ▼ Deployment failure detection [Info](#)

⚠ Deployment protection settings have been turned off.

##### ☐ Use the Amazon ECS deployment circuit breaker

If the service can't reach a steady state because a task failed to launch, the deployment fails.

##### ☐ Use CloudWatch alarm(s)

If the CloudWatch alarm or alarms that you specify transition to the ALARM state, the deployment fails.

▼ Load balancing - optional

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

☒ Use load balancing

Load balancer type | [Info](#)

Specify the load balancer type to distribute incoming traffic across the tasks running in your service.

☒ Application Load Balancer

An Application Load Balancer makes routing decisions at the application layer (HTTP/HTTPS), supports path-based routing, and can route requests to one or more ports.

☐ Network Load Balancer

A Network Load Balancer makes routing decisions at the transport layer (TCP/UDP).

Container

The container and port to load balance the incoming traffic to

alba-digi-api-rest 5050:5050

Host port:Container port

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.

alba-digi-load-balancer

Health check grace period | [Info](#)

30

seconds

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 [🔗](#) (1)

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
default	/	<a href="#">alba-digi-target-group</a> <a href="#">🔗</a>

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

alba-digi-target-group

Health check path

/alive

Health check protocol

HTTP

🟢 alba-digi-service has been deployed successfully.

[View service](#)

✕

bartze-cluster

Last updated  
February 20, 2025 at 13:31 (UTC+1:00)

[🔄](#)

[Update cluster](#)

[Delete cluster](#)

Cluster overview

ARN  
[arn:aws:ecs:us-east-1:322423734075:cluster/bartze-cluster](#)

Status

🟢 Active

CloudWatch monitoring

🟢 Default

Registered container instances

-

Services

Draining

-

Active

-

Tasks

Pending

-

Running

-

Services

Tasks

Infrastructure

Metrics

Scheduled tasks

Configuration

Tags

Services (1) | [Info](#)

[🔄](#)

[Manage tags](#)

[Update](#)

[Delete service](#)

[Create](#)

🔍 Filter services by value

Filter launch type

Any launch type

Filter service type

Any service type

< 1 >

[⚙️](#)

<input type="checkbox"/>	Service name	ARN	Status	Service type	Deployments and tasks	Last deployment	Task definition	La...
<input type="checkbox"/>	<a href="#">alba-digi-service</a>	<a href="#">arn:aws:ecs:us-e</a>	🟢 Active	REPLICA	<div><div></div></div> 2/2 Tasks running	🟢 Completed	<a href="#">bartze-task:1</a>	FAR...

## 5. Probar el servicio

alba-digi-service has been deployed successfully.

View service

alba-digi-service

Info

Last updated February 20, 2025 at 13:36 (UTC+1:00)

Update service

Delete service

Service overview

Info

Status Active

Tasks (2 Desired) 0 Pending | 2 Running

Task definition: revision [bartze-task:1](#)

Deployment status Success

Health and metrics

Tasks

Logs

Deployments

Events

Configuration and networking

Service auto scaling

Tags

Tasks (1/2)

Filter tasks by property or value

Filter desired status Any desired status

Filter launch type Any launch type

Task	Last status	Desired st...	Task de...	Health sta...	Started by	Started at	Container instan...	Launch type	Platform v...	CPU
<a href="#">09976...</a>	<span>Running</span>	<span>Running</span>	<a href="#">bartze-task:1</a>	<span>Unknown</span>	ecs-svc/16035148905...	4 minutes ago	-	FARGATE	1.4.0	1 vCP
<a href="#">e5ac4...</a>	<span>Running</span>	<span>Running</span>	<a href="#">bartze-task:1</a>	<span>Unknown</span>	ecs-svc/16035148905...	5 minutes ago	-	FARGATE	1.4.0	1 vCP

alba-digi-service has been deployed successfully.

View service

alba-digi-service

Info

Last updated February 20, 2025 at 13:36 (UTC+1:00)

Update service

Delete service

Service overview

Info

Status Active

Tasks (2 Desired) 0 Pending | 2 Running

Task definition: revision [bartze-task:1](#)

Deployment status Success

Health and metrics

Tasks

Logs

Deployments

Events

Configuration and networking

Service auto scaling

Tags

Events (5)

Info

Filter events by value

Started at	Message	Event ID
February 20, 2025 at 13:33 (UTC+1:00)	service <a href="#">alba-digi-service</a> has reached a steady state.	1c97657e-46b1-43ed-b320-53c822dd086c
February 20, 2025 at 13:33 (UTC+1:00)	service <a href="#">alba-digi-service</a> deployment ecs-svc/1603514890516257104 deployment completed.	8e1c03ea-34e1-432d-a848-7dce59af1057
February 20, 2025 at 13:32 (UTC+1:00)	service <a href="#">alba-digi-service</a> registered 1 targets in target-group <a href="#">alba-digi-target-group</a>	f47e2ac4-5cbc-470a-b2f6-71318555a49a
February 20, 2025 at 13:32 (UTC+1:00)	service <a href="#">alba-digi-service</a> has started 1 tasks: task <a href="#">0997682a10414902b0adc1204ef1eb00</a> .	d5812bb0-315a-4afc-819e-a78e758ba718
February 20, 2025 at 13:31 (UTC+1:00)	service <a href="#">alba-digi-service</a> has started 1 tasks: task <a href="#">e5ac4174c8784c059509b5a5d3dc0a22</a> .	e0232d14-1119-4f32-b2c5-57f765df0535

Load balancers (1)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

Name	DNS name	State	VPC ID	Availability Zones	Type	Date created
<a href="#">alba-digi-load-balancer</a>	<a href="#">alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com</a>	<span>Active</span>	vpc-0775acb23924d32f0	<a href="#">6 Availability Zones</a>	application	February 20, 2025, 13:01 (U...

```
curso@video9:~/projects/workspace$ curl -v http://alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com/alive
* Host alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com:80 was resolved.
* IPv6: (none)
* IPv4: 52.203.192.121, 52.205.219.199, 184.73.54.209
* Trying 52.203.192.121:80...
```

```
curso@video9:~/projects/workspace$ curl -v http://alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com/alive
* Host alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com:80 was resolved.
* IPv6: (none)
* IPv4: 52.205.219.199, 52.203.192.121, 184.73.54.209
* Trying 52.205.219.199:80...
* Connected to alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com (52.205.219.199) port 80
> GET /alive HTTP/1.1
> Host: alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com
> User-Agent: curl/8.5.0
> Accept: */*
>
< HTTP/1.1 504 Gateway Time-out
< Server: awselb/2.0
< Date: Thu, 20 Feb 2025 12:50:23 GMT
< Content-Type: text/html
< Content-Length: 132
< Connection: keep-alive
<
<html>
<head><title>504 Gateway Time-out</title></head>
<body>
<center><h1>504 Gateway Time-out</h1></center>
</body>
</html>
* Connection #0 to host alba-digi-load-balancer-1016653283.us-east-1.elb.amazonaws.com left intact
```