

SOLUTION

1.Created EC2 launch templates

EC2 > Launch templates

Launch templates (1/1) Info

Filter by tags or properties or search by keyword

< 1 > ⓘ

Launch template ID

Launch template name

Default version

Latest version

Create time

lt-073659c7077c812b5

Car-service-Template

1

1

2023-08-16T09:06:05.000Z

Car-service-Template (lt-073659c7077c812b5)

ⓘ ×

Launch template ID

Launch template name

Default version

Owner

lt-073659c7077c812b5

Car-service-Template

1

arn:aws:iam::858881817729:root

Details

Versions

Template tags

Launch template version details

Actions ▼

Delete template version

Version

Description

Date created

Created by

1 (Default)

-

2023-08-16T09:06:05.000Z

arn:aws:iam::858881817729:root

Instance details

Storage

Resource tags

Network interfaces

Advanced details

AMI ID

Instance type

Availability Zone

Key pair name

ami-07e67bd6b5d9fd892

t2.micro

-

linux

Security groups

Security group IDs

-

sg-01b6c61269f84b5ac

2. Created Auto scaling group

Review Info

Step 1: Choose launch template or configuration

Edit

Group details

Auto Scaling group name

Car-service-ASG

Launch template

Launch template

Version

Description

Car-service-Template ⓘ

2

Car-service-instance

lt-073659c7077c812b5

Step 2: Choose instance launch options

[Edit](#)

Network



Network

VPC

[vpc-0ccc02518d0ed2c98](#) 

Availability Zone

Subnet

eu-west-3a	subnet-0c6d26e0414236a21 	10.0.1.0/24
eu-west-3b	subnet-0be0f8a0c94e30081 	10.0.4.0/24
eu-west-3c	subnet-0ea6ad05aeba9237a 	10.0.3.0/24

Instance type requirements

This Auto Scaling group will adhere to the launch template.

Step 3: Configure advanced options

[Edit](#)

Load balancing

Load balancer 1

Name	Type	Target group
Car-service-ASG-1	Application/HTTP	Car-service-ASG-1

Health checks

Health check type
EC2, ELB

Health check grace period
300 seconds

Additional settings

Monitoring
Disabled

Default instance warmup
Disabled

Step 4: Configure group size and scaling policies

[Edit](#)

Group size

Desired capacity
2

Minimum capacity
1

Maximum capacity
3

Scaling policy

Target tracking scaling

Policy type
Target tracking scaling

Scaling policy name
Target Tracking Policy

Execute policy when
As required to maintain Average CPU utilization at 70

Take the action
Add or remove capacity units as required

Instances need
300 seconds to warm up before including in metric

Scale in
Enabled

Instance scale-in protection

Instance scale-in protection

☐ Enable instance protection from scale in

Step 5: Add notifications

[Edit](#)

Notifications

Notification 1

SNS Topic

Car-sharing-services (achille.cesar@gmail.com)

Event types

- ☒ Launch
- ☒ Terminate
- ☒ Fail to launch
- ☒ Fail to terminate

Step 6: Add tags

[Edit](#)

Tags (0)

Key	Value	Tag new instances
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No tags

[Cancel](#)[Previous](#)[Create Auto Scaling group](#)

Auto Scaling groups (1/1) [Info](#)

[Launch configurations](#)[Launch templates](#) [Actions ▾](#)[Create Auto Scaling group](#)[<](#) [1](#) [>](#)

<input checked="" type="checkbox"/>	Name ▾	Launch template/configuration ▾	Instances ▾	Status ▾	Desired capacity ▾	Min ▾	Max ▾	Availability Zones ▾
<input checked="" type="checkbox"/>	Car-service-ASG	Car-service-Template Version 2	2	-	2	1	3	eu-west-3a, eu-west-3b, eu-...

Auto Scaling group: Car-service-ASG

[Details](#) | [Activity](#) | [Automatic scaling](#) | [Instance management](#) | [Monitoring](#) | [Instance refresh](#)

Group details

[Edit](#)

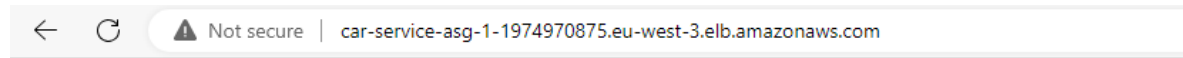
Auto Scaling group name Car-service-ASG	Desired capacity 2	Status -	Amazon Resource Name (ARN) arn:aws:autoscaling:eu-west-3:858881817729:autoScalingGroup:e0b3cab5-1eca-4104-9f88-133c40f3de7c:autoScalingGroupName/Car-service-ASG
Date created Wed Aug 16 2023 11:20:29 GMT+0200 (South Africa Standard Time)	Minimum capacity 1		
	Maximum capacity 3		

Launch template

[Edit](#)

Launch template lt-073659c7077c812b5 Car-service-Template	AMI ID ami-07e67bd6b5d9fd892	Instance type t2.micro	Owner arn:aws:iam::858881817729:root
Version 2	Security groups -	Security group IDs sg-01b6c61269f84b5ac	Create time Wed Aug 16 2023 11:12:38 GMT+0200 (South Africa Standard Time)

Load balancer



Welcome to car sharing service EC2 instance