

1. Stress test triggers the high memory usage alarm:

CloudWatch > Alarms

Alarms (4) ☐ Hide Auto Scaling alarms Actions

Any state Any type Any actions ... < 1 > ⚙

<input type="checkbox"/>	Name	State	Last state update	Conditions	Actions
<input type="checkbox"/>	TargetTracking-service/my-cluster/service-AlarmLow-3ed6d587-1cbf-4a57-840c-530989218224	OK	2023-09-20 23:04:25	CPUUtilization < 0.09000000000000001 for 15 datapoints within 15 minutes	Actions enabled
<input type="checkbox"/>	TargetTracking-service/my-cluster/service-AlarmLow-cf9eb482-b3e9-48f0-aabe-ea5fa0f4694a	OK	2023-09-20 23:04:04	MemoryUtilization < 0.09000000000000001 for 15 datapoints within 15 minutes	Actions enabled
<input type="checkbox"/>	TargetTracking-service/my-cluster/service-AlarmHigh-c6ed75d1-9fff-413d-a7da-db985fe8f092	In alarm	2023-09-20 23:03:48	MemoryUtilization > 0.1 for 3 datapoints within 3 minutes	Actions enabled
<input type="checkbox"/>	TargetTracking-service/my-cluster/service-AlarmHigh-5752b7c5-a27d-4752-997c-2cf1983983d1	OK	2023-09-20 23:03:38	CPUUtilization > 0.1 for 3 datapoints within 3 minutes	Actions enabled

2. Auto scaling scale out the ECS tasks, until it reaches the max_capacity setting as the stress test continues putting load to the system:

Amazon Elastic Container Service > Clusters > my-cluster > Services > service > Tasks

service

Health and metrics Tasks Logs Deployments Events Configuration Networking Tags

Tasks (1/3) Running tasks All launch types < 1 > ⚙

<input type="checkbox"/>	Task	Last status	Desired st...	Task ...	Revision	Health sta...	Started at	Container Instan...	Launch type	Platform ...
<input checked="" type="radio"/>	649ce7...	Running	Running	service	14	Unknown	1 minute ago	-	FARGATE	1.4.0
<input type="radio"/>	d29e3...	Running	Running	service	14	Unknown	10 minutes ago	-	FARGATE	1.4.0
<input type="radio"/>	fd9d24...	Running	Running	service	14	Unknown	1 minute ago	-	FARGATE	1.4.0

Service updated: my-cluster:service

Amazon Elastic Container Service > Clusters > my-cluster > Services > service > Tasks

service

Health and metrics Tasks Logs Deployments Events Configuration Networking Tags

Tasks (1/5) Running tasks All launch types < 1 > ⚙

<input type="checkbox"/>	Task	Last status	Desired st...	Task ...	Revision	Health sta...	Started at	Container Instan...	Launch type	Platform ...
<input type="radio"/>	337ba...	Running	Running	service	14	Unknown	12 seconds ago	-	FARGATE	1.4.0
<input type="radio"/>	3de75...	Running	Running	service	14	Unknown	1 second ago	-	FARGATE	1.4.0
<input checked="" type="radio"/>	649ce7...	Running	Running	service	14	Unknown	2 minutes ago	-	FARGATE	1.4.0
<input type="radio"/>	d29e3...	Running	Running	service	14	Unknown	11 minutes ago	-	FARGATE	1.4.0
<input type="radio"/>	fd9d24...	Running	Running	service	14	Unknown	2 minutes ago	-	FARGATE	1.4.0

3. After stopping running the stress testing, system load is back to normal and the ECS task number is back to 1:

service [Info](#)

[Refresh](#) [Update service](#) [Delete service](#)

[Health and metrics](#) [Tasks](#) [Logs](#) [Deployments](#) [Events](#) [Configuration](#) [Networking](#) [Tags](#)

Tasks (1/1)

[Refresh](#) [Stop](#)

[Running tasks](#) [All launch types](#)

< 1 > [Settings](#)

Task	Last status	Desired st...	Task ...	Revision	Health sta...	Started at	Container instan...	Launch type	Platform ...
3de75...	Running	Running	service	14	Unknown	2 hours ago	-	FARGATE	1.4.0