

Assignment#4.5

Based on the solution from day 1

(/tasks/5_microservices_development/day_1_microservices/integrating_flask_redis/)

add Redis as another ECS service and connect it with existing application.

Incorporate results from function `get_and_increase_hit_count()` into the application and show the results on the

main page.

ECS:

- ✓ Created ECS cluster
- ✓ service also created and named it 'redis'
- ✓ ECS Services
- ✓ Task Definitions made
- ✓ Task viewed

The screenshot displays the AWS Management Console for ECS. The left sidebar shows navigation options like Clusters, Task Definitions, and Services. The main content area shows the 'redis-cluster' details, including its ARN and status. Below this, the 'Services' tab is active, showing a table of ECS services. The table has columns for Service Name, Status, Service type, Task Definition, Desired tasks, Running tasks, Launch type, and Platform version. Two services are listed: 'task' and 'redis', both with a status of 'ACTIVE'. Below the table, the 'Tags' section shows 'No tags' for the resource. At the bottom, the 'Services (1 of 1)' list shows the 'redis' service with its description, discoverability, creation date, and ID.

Service Name	Status	Service type	Task Definition	Desired tasks	Running tasks	Launch type	Platform version
task	ACTIVE	REPLICA	task-6	2	2	FARGATE	LATEST(1.4.0)
redis	ACTIVE	REPLICA	redis-3	2	2	FARGATE	LATEST(1.4.0)

Name	Description	Discoverable By	Date created	Service ID
redis	-	API Calls and DNS Queries	May 16, 2023, 7:59 AM UTC	srv-dy2g3dqrwlum

New ECS Experience
Test us what you think

The new Amazon ECS console will become the default for all users starting 2023. You can opt-in to the new console today to use the new simplified workflows for deploying tasks and services, dark mode, task definition JSON editor, and new ECS features. You can continue to use the classic console for any unsupported features in the new experience.

Clusters > redis-cluster

Cluster : redis-cluster

Get a detailed view of the resources on your cluster.

Cluster ARN: arn:aws:ecs:eu-north-1:086379372206:cluster/redis-cluster
Status: ACTIVE

Registered container instances: 1
Pending tasks count: 0 Fargate, 0 EC2, 0 External
Running tasks count: 4 Fargate, 0 EC2, 0 External
Active service count: 0 Fargate, 0 EC2, 0 External
Draining service count: 0 Fargate, 0 EC2, 0 External

Services | **Tasks** | ECS Instances | Metrics | Scheduled Tasks | Tags | Capacity Providers

Create | Update | Delete | Actions

Filter in this page: Launch type: ALL Service type: ALL

Service Name	Status	Service type	Task Definition	Desired tasks	Running tasks	Launch type	Platform version
flask	ACTIVE	REPLICA	flask-6	2	2	FARGATE	LATEST(1.4.0)
redis	ACTIVE	REPLICA	redis-3	2	2	FARGATE	LATEST(1.4.0)

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Task Definitions

Task definitions specify the container information for your application, such as how many containers are part of your task, what resources they will use, how they are linked together, and which host ports they will use. Learn more

Create new Task Definition | Create new revision | Actions

Filter in this page: Page size: 50

Task Definition	Latest revision status
flask	ACTIVE
redis	ACTIVE

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Services | **Tasks** | ECS Instances | Metrics | Scheduled Tasks | Tags | Capacity Providers

Run new task | Stop | Stop All | Actions

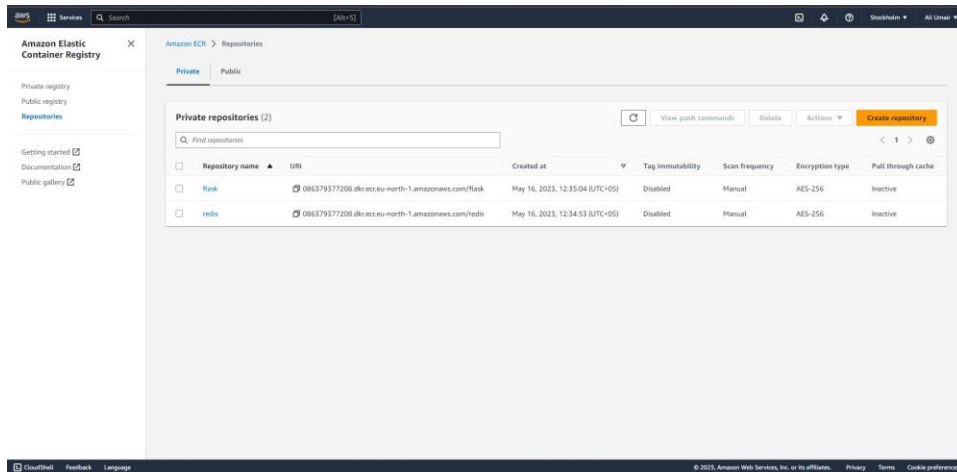
Desired task status: (Running) Stopped

Filter in this page: Launch type: ALL

Task	Task definition	Container instance...	Last status	Desired status	Started at	Started By	Group	Launch type	Platform version
22f038aade9f40a28	flask-6	...	RUNNING	RUNNING	2023-05-16 12:52.3	ecs-svc/613869068	service:flask	FARGATE	1.4.0
6a003240ad414857	flask-6	...	RUNNING	RUNNING	2023-05-16 12:52.3	ecs-svc/613869068	service:flask	FARGATE	1.4.0
89999e5118346ee	redis-3	...	RUNNING	RUNNING	2023-05-16 13:00.0	ecs-svc/619485578	service:redis	FARGATE	1.4.0
43c486a25f74627a	redis-3	...	RUNNING	RUNNING	2023-05-16 13:00.0	ecs-svc/619485578	service:redis	FARGATE	1.4.0

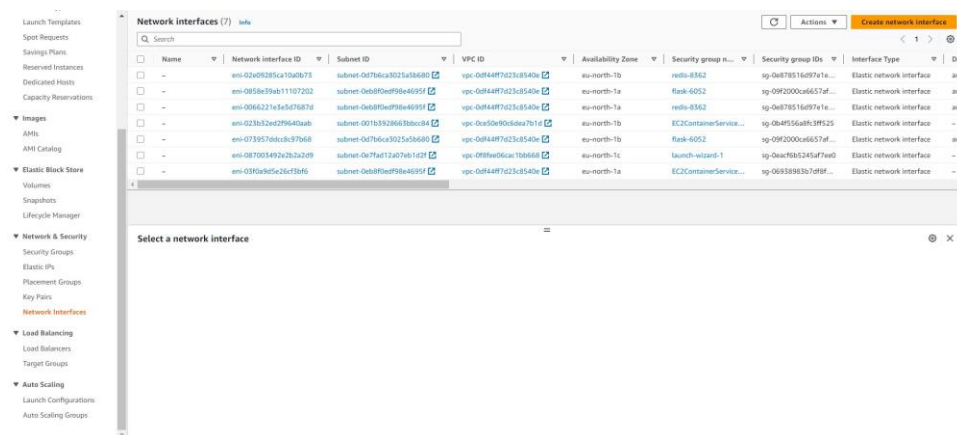
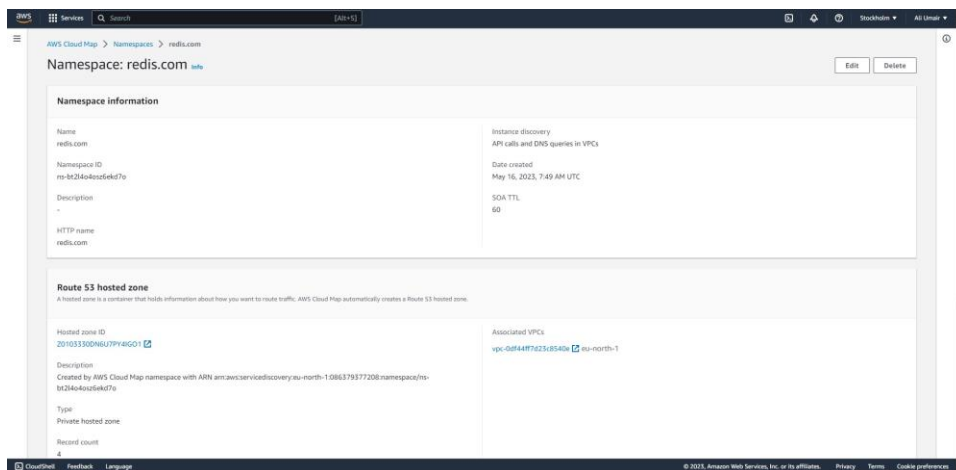
ECR Repositories:

- ✓ Created 2 ECR repositories namely flask and redis.



Namespaces:

- ✓ **Redis.com** namespace created.
- ✓ Viewed Network Interfaces.



Final Output:

✓ Result of the final screen.

