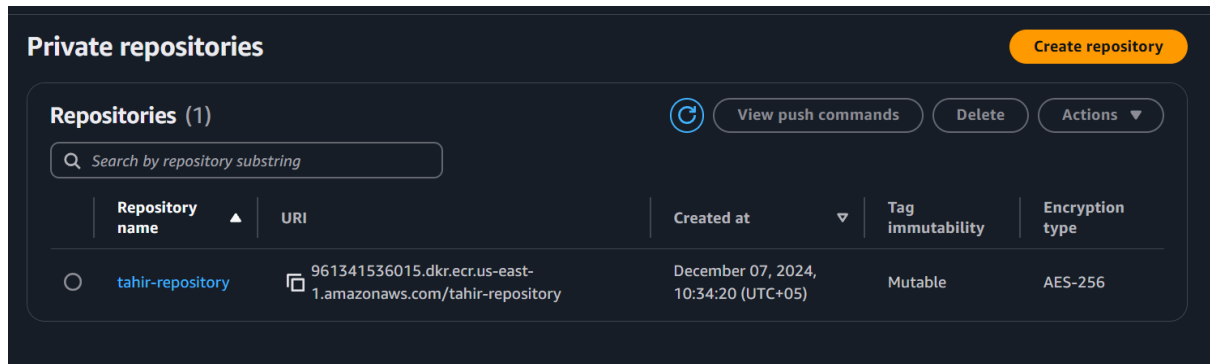


K214503

Muhammad Tahir

ECR & ECS LAB

Created ECR repository



Connected the AWS from CLI

```
Command Prompt
Microsoft Windows [Version 10.0.26100.2314]
(c) Microsoft Corporation. All rights reserved.

C:\Users\mtahi>aws configure
AWS Access Key ID [*****2CGQ]: BS9fzLTJpJa0z46tZUpCfcNnLMA15RU333aySKX
AWS Secret Access Key [*****ySKX]:

C:\Users\mtahi>aws configure
AWS Access Key ID [*****2CGQ]: AKIA57VDLW4H5K5U2CGQ
AWS Secret Access Key [*****ySKX]: BS9fzLTJpJa0z46tZUpCfcNnLMA15RU333aySKX
Default region name [us-east-1]:
Default output format [json]:

C:\Users\mtahi>aws ecr get-login-password --region us-east-1 | docker login --username AWS --password-stdin 961341536015.dkr.ecr.us-east-1.amazonaws.com
Login Succeeded

C:\Users\mtahi>
```

Tagged the **nginx** image to prepare for the push

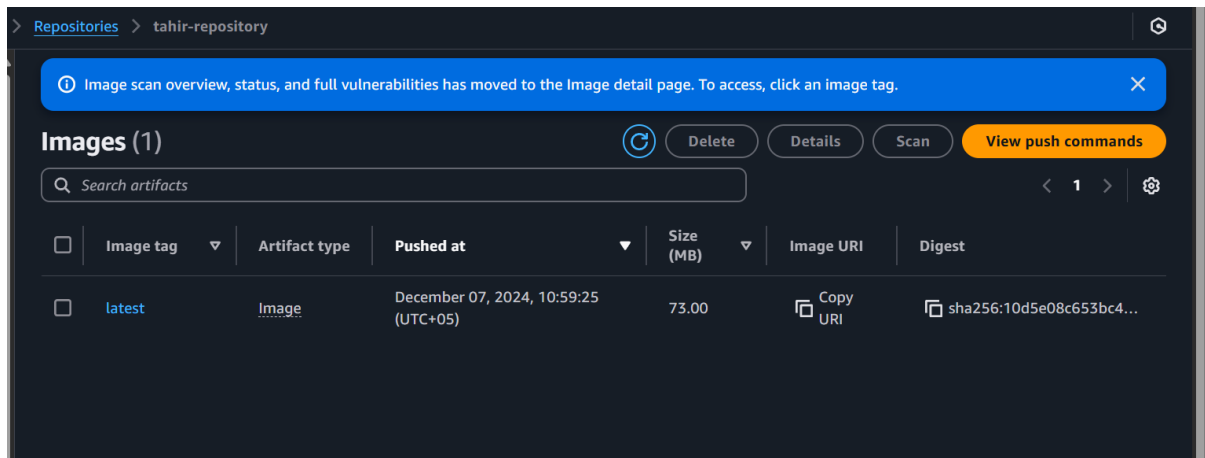
```
PS C:\Users\mtahi> docker tag nginx 961341536015.dkr.ecr.us-east-1.amazonaws.com/tahir-repository
PS C:\Users\mtahi>
```

Push the image from docker to the Amazon ECR repository

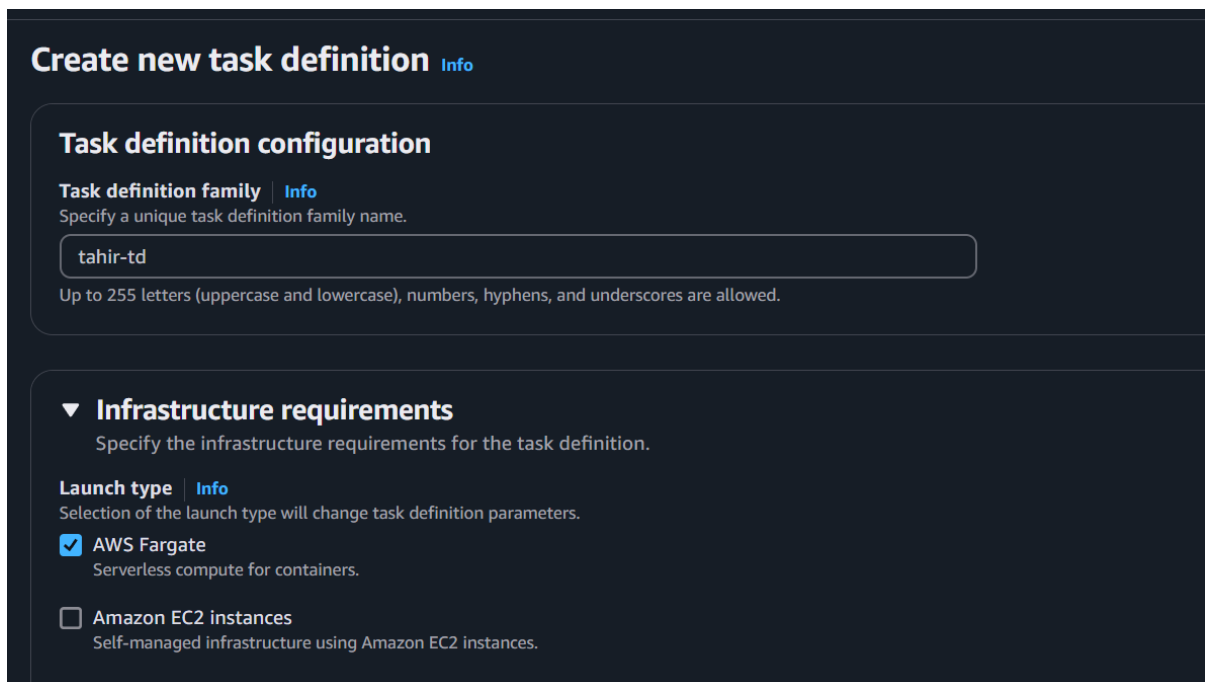
```
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

The push refers to repository [961341536015.dkr.ecr.us-east-1.amazonaws.com/tahir-repository]
d32d820bcf1c: Pushed
c28e0f7d0cc5: Pushed
8aa4787aa17a: Pushed
b060cc3bd13c: Pushed
2c3a053d7b67: Pushed
fc00b055de35: Pushing [====>] 11.49MB/116.9MB
c0f1022b22a9: Pushing [=====>] 9.192MB/74.82MB
[]
```

Successfully pushed the image, as you can see in below picture



Now, I will create the task definition and run the container using the image I just pull.



▼ Container - 1 [Info](#)

Essential container

Remove

Container details

Specify a name, container image, and whether the container should be marked as essential. Each task definition must have at least one essential container.

Name

tahirContainer1

Up to 255 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.

Image URI

961341536015.dkr.ecr.us-east-1.amazonaws.com/tahir-repository:latest

Up to 255 letters (uppercase and lowercase), numbers, hyphens, underscores, colons, periods, forward slashes, and number signs are allowed.

Essential container

Yes



Private registry [Info](#)

Store credentials in Secrets Manager, and then use the credentials to reference images in private registries.

☐ Private registry authentication

Port mappings [Info](#)

Add port mappings to allow the container to access ports on the host to send or receive traffic. For port name, a default will be assigned if left blank.

Task definition successfully created

tahir-td:1 has been successfully created. You can use this task definition to deploy a service or run a task.

View task definition

tahir-td:1

Deploy

Actions

Create new revision

Overview

ARN

arn:aws:ecs:us-east-1:961341536015:task-definition/tahir-td:1

Status

ACTIVE

Time created

December 07, 2024 at 11:19 (UTC+5:00)

App environment

Fargate

Task role

-

Task execution role

ecsTaskExecutionRole

Operating system/Architecture

Linux/X86_64

Network mode

awsvpc

Containers

JSON

Task placement

Volumes (0)

Requires attributes

Tags

NOW, running the service

Deployment configuration

Application type

Service

Task

Task definition

Specify the revision manually

Family

Revision

Service name

▼ Networking

VPC

Info

Select a VPC to use for your Amazon ECS resources.

vpc-0d6a2daf14f5b9ce2

▼

AWS DEFAULT VPC | default

↺

Create a new VPC ↗

Subnets

Choose the subnets within the VPC that the task scheduler should consider for placement.

Choose subnets

▼

Clear current selection

subnet-0f1d70e7c837a738d

×

my-ecs-subnet

us-east-1a 172.31.0.0/20

Security group

Info

Choose an existing security group or create a new security group.

☒ Use an existing security group

☐ Create a new security group

Security group name

Choose an existing security group.

Choose security groups

▼

sg-040835b9b2d395800

×

Turned on the Public IP assignment

Choose an existing security group

Choose security groups

▼

sg-040835b9b2d395800

×

default | AWS DEFAULT

Public IP

Info

Choose whether to auto-assign a public IP to the task's elastic network interface (ENI).

☒ Turned on

Load balancing optional

Successfully running

tahir-nginx-container

Info

Last updated
December 07, 2024 at 11:30 (UTC+5:00)

↺

Update service

Delete service

Service overview

Info

Status

✓ Active

Tasks (1 Desired)

0 Pending | 1 Running

Task definition

[tahir-td:1](#)

Deployment status

✓ Success

<

Health and metrics

Tasks

Logs

Deployments

New

Events

Configuration and networking

Service

>

Status

Info

Service name

tahir-nginx-container

Service ARN

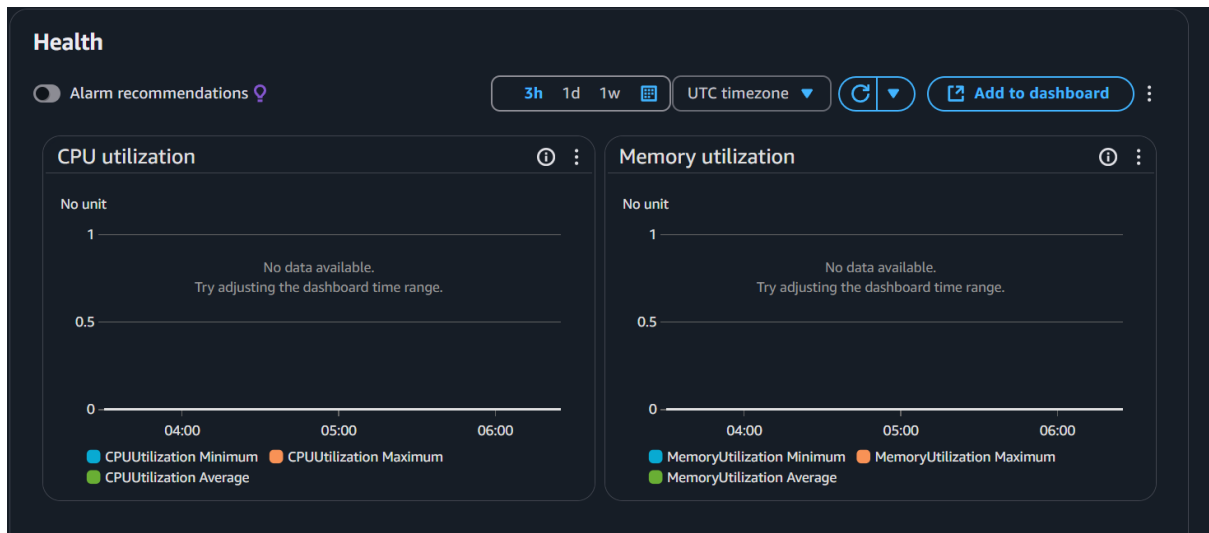
arn:aws:ecs:us-east-1:961341536015:service/TahirCluster/tahir-nginx-container

Deployments current state

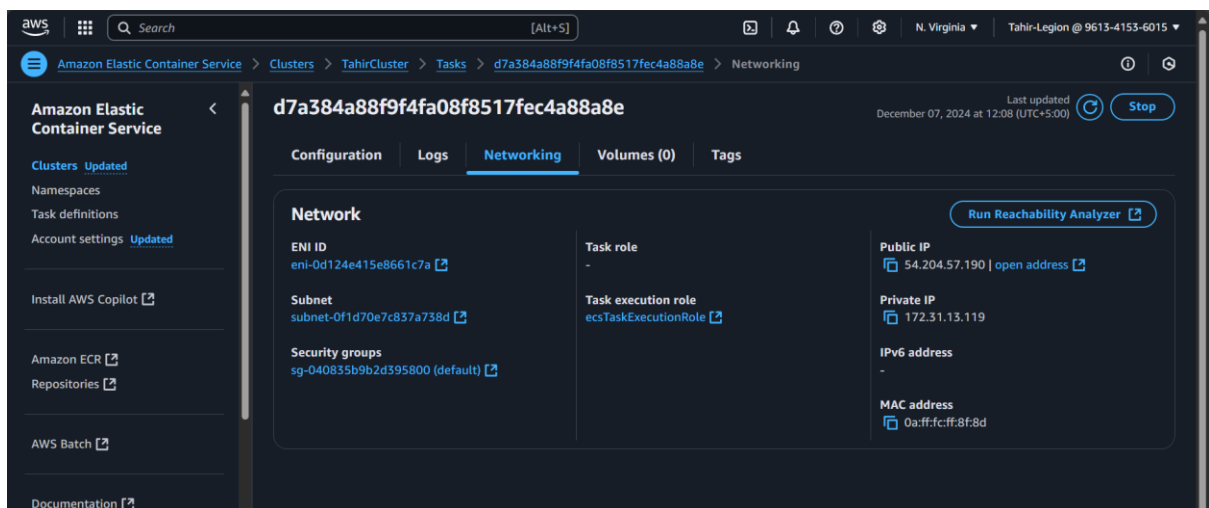
✓ 1 Completed

Created at

December 07, 2024 at 11:25 (UTC+5:00)



Use public IP to access website:



Successfully running:

