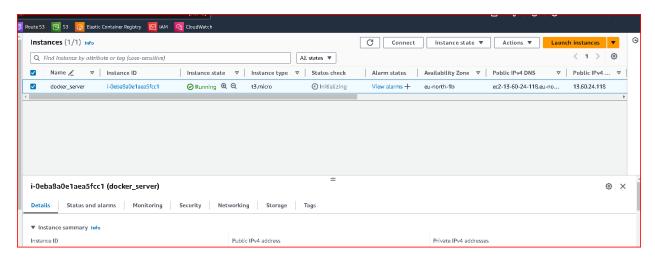
ECR and ECR POC

• Create an EC2 instance and build image of any application using Docker



sudo apt update

sudo apt install apt-transport-https ca-certificates curl software-properties-common

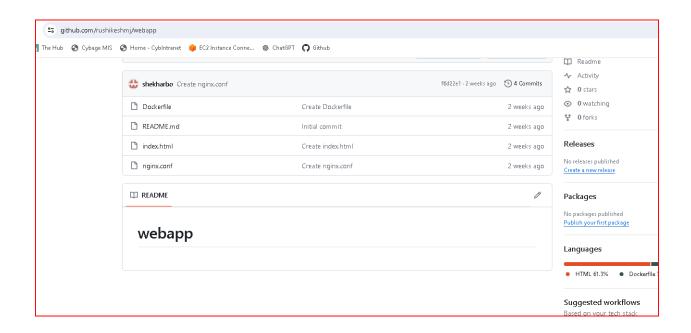
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu \$(lsb release -cs) stable"

sudo apt update

sudo apt install docker-ce

clone github repo: https://github.com/rushikeshmj/webapp.git



```
root@ip-1/2-31-38-110:/home/ubuntu/webapp# cd ..
root@ip-172-31-38-110:/home/ubuntu# ls
awscli-venv webapp
root@ip-172-31-38-110:/home/ubuntu# []

i-0eba8a0e1aea5fcc1 (docker_server)
```

Build docker image in local

```
root@ip-172-31-38-110:/home/ubuntu/webapp# docker build -t webapp .

[+] Building 1.2s (8/8) FINISHED

> [internal] load build definition from Dockerfile

> > transferring dockerfile: 3748

> [internal] load metadata for docker.io/library/nginx:latest

= [internal] load .dockerignore

> > transferring context: 2B

> [1/3] FROM docker.io/library/nginx:latest@sha256:6af79ae5de407283dcea8b00d5c37ace95441fd58a8b1d2aaled93f5511bb18c

> [internal] load build context

> > transferring context: 62B

> CACHED [2/3] COPY nginx.conf /etc/nginx/nginx.conf

> CACHED [3/3] COPY index.html /usr/share/nginx/html/

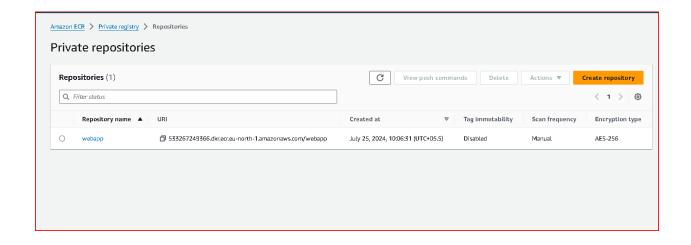
> exporting to image

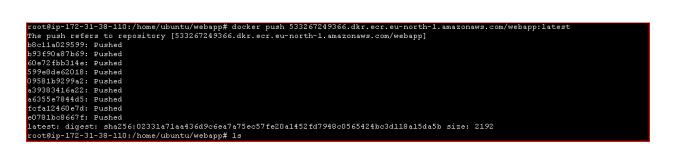
> > writing image sha256:7c95a4b2cb17c97e22b828b84964107b99c4f33b7f1821b946d7cd027eda30a8

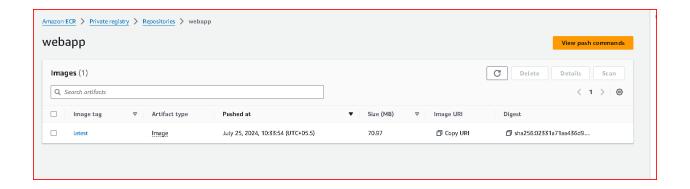
> > naming to docker.io/library/webapp

root@ip-172-31-38-110:/home/ubuntu/webapp# []
```

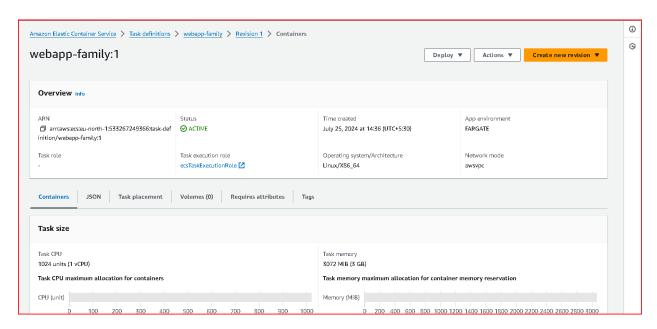
Create a private ECR repo and push this docker image to ECR repo



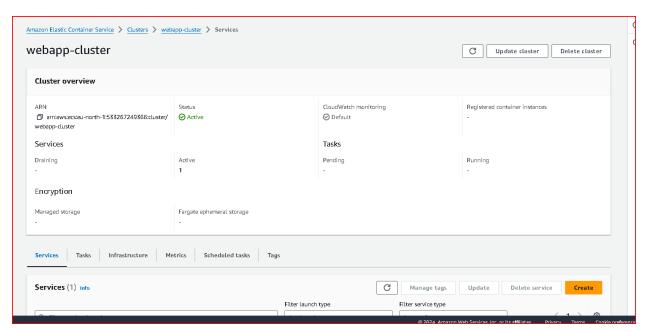




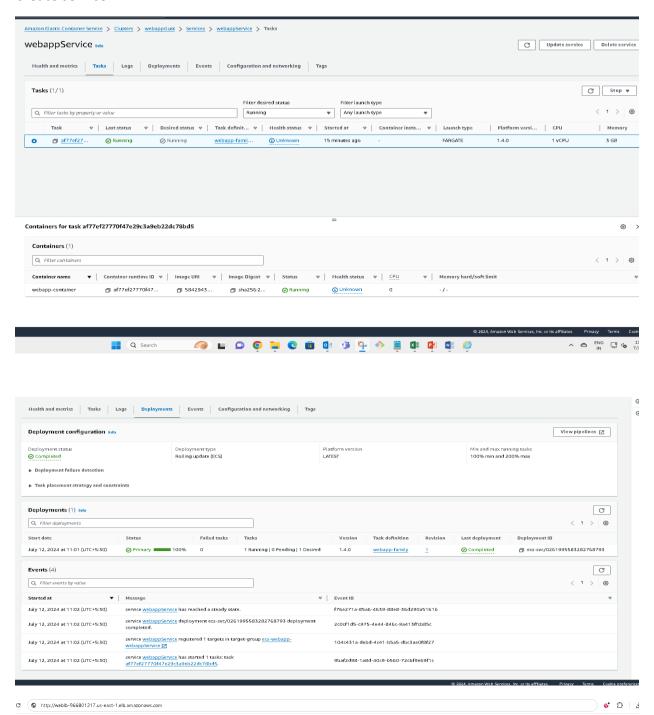
Deploy the application on ECS and check if the application works fine



Create cluster:



Create service:



Welcome to My Dockerized Web App!

This is a simple example of a Dockerized web application.