Elastic Container Registry – ECR
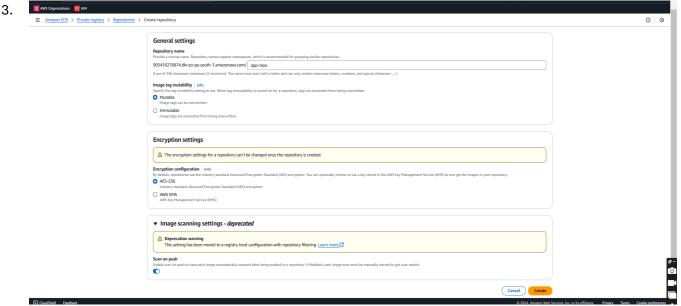
1. Go to the AWS Management Console and navigate to the Amazon ECR service.
2. Create a new Repository. It is not a free service.
3.

   Click on Create.
4. Installing AWS CLI
5. Configuring AWS CLI :   aws configure
   Enter your AWS Access Key ID, Secret Access Key, default region, and preferred output format when prompted.
6. Attach ECR policy to the iam user.
7. Pushing Docker Images to ECR
   (i)   Log in to your ECR registry using the AWS CLI:
           aws ecr get-login-password --region <your-region> | docker login --username AWS --password-stdin <your-aws-account-id>.dkr.ecr.<your-region>.amazonaws.com
   (ii)   Write a Docker file to build an image: nano Dockerfile
           FROM ubuntu:latest
   (iii)   Build your Docker image locally using the docker build command:
           docker build -t <your-image-name> <path-to-dockerfile>
           i.e. docker build -t app-repo .
   (iv)   Tag the image with your ECR repository URI:
           docker tag <your-image-name>:<tag> <your-aws-account-id>.dkr.ecr.<your-region>.amazonaws.com/<your-repository-name>:<tag>
   (v)   Push the Docker image to ECR:
           docker push <your-aws-account-id>.dkr.ecr.<your-region>.amazonaws.com/<your-repository-name>:<tag>
7. ECR Docker have default Registry i.e. docker.io
8. Pulling Docker Images from ECR:
   docker pull <your-aws-account-id>.dkr.ecr.<your-region>.amazonaws.com/<your-repository-name>:<tag>