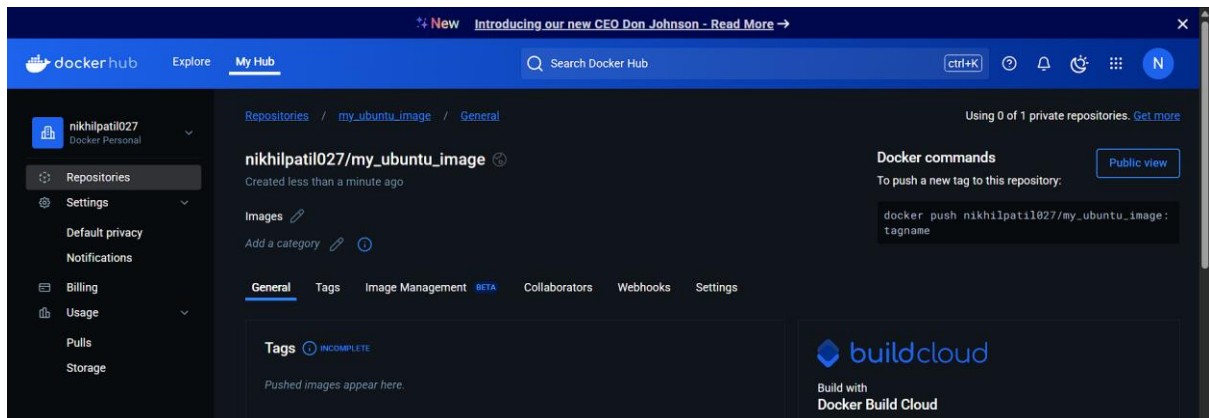
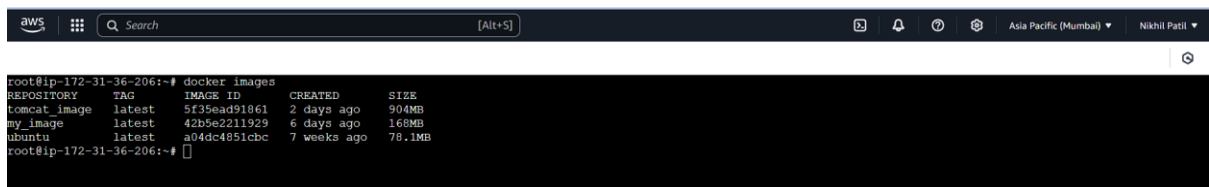


Create a docker repository and push the images from local to the repository

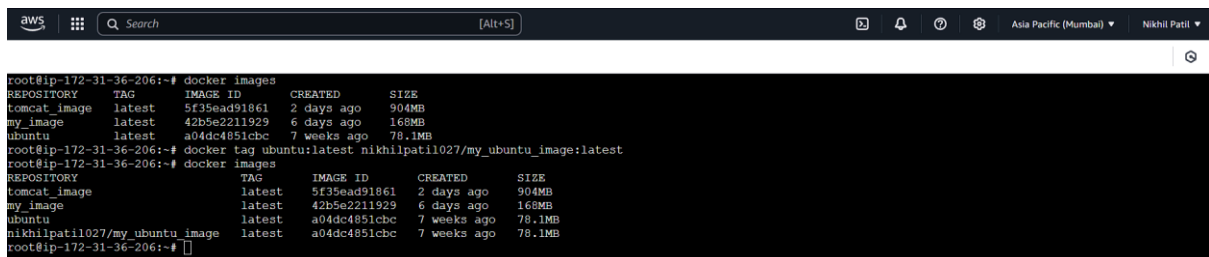
Create a repository in docker hub :



Pull the ubuntu latest image using docker pull command



Rename the image using tag command

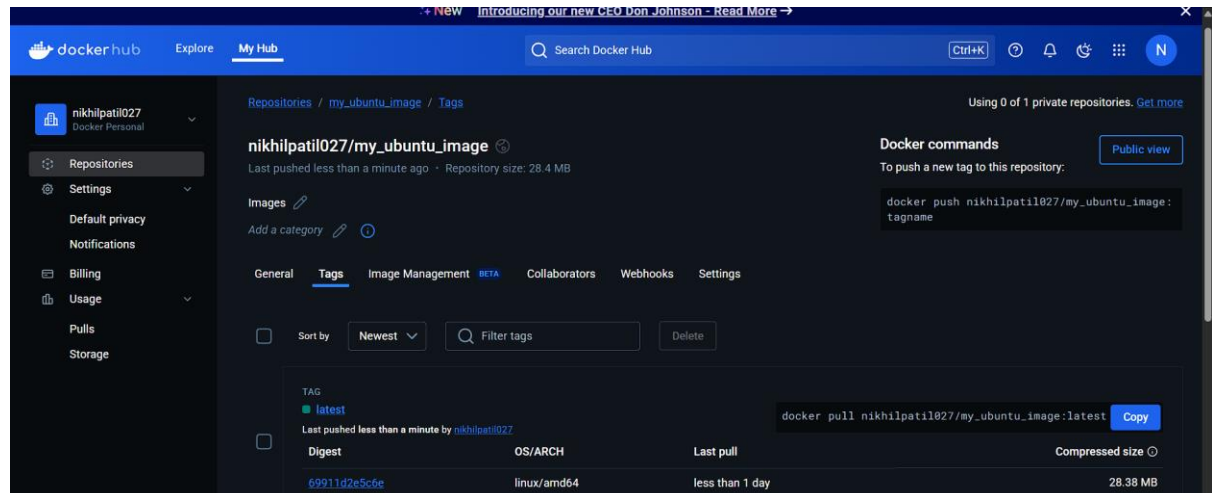


Login to the docker registry



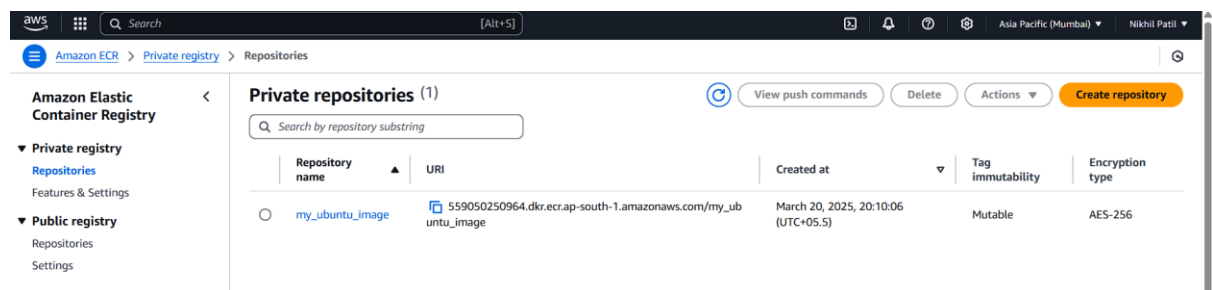
Push the images to the registry

```
aws [Alt+S]
root@ip-172-31-36-206:~# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
comcat_image         latest             5f35ead91861       2 days ago        904MB
my_image             latest            42b5c2211929       6 days ago        163MB
ubuntu               latest            a04dc4851cbc       7 weeks ago       78.1MB
nikhilpatil027/my_ubuntu_image latest            a04dc4851cbc       7 weeks ago       78.1MB
root@ip-172-31-36-206:~# docker push nikhilpatil027/my_ubuntu_image:latest
The push refers to repository [docker.io/nikhilpatil027/my_ubuntu_image]
4b7c01ed0534: Mounted from library/ubuntu
latest: digest: sha256:69911d2e5c6ec7d9ad230235b2a12892109e6e31cc2ad92f11f8ded8549485ff size: 529
root@ip-172-31-36-206:~#
```



Pushing the images to AWS ECR:

Create an ECR repository and Push the images

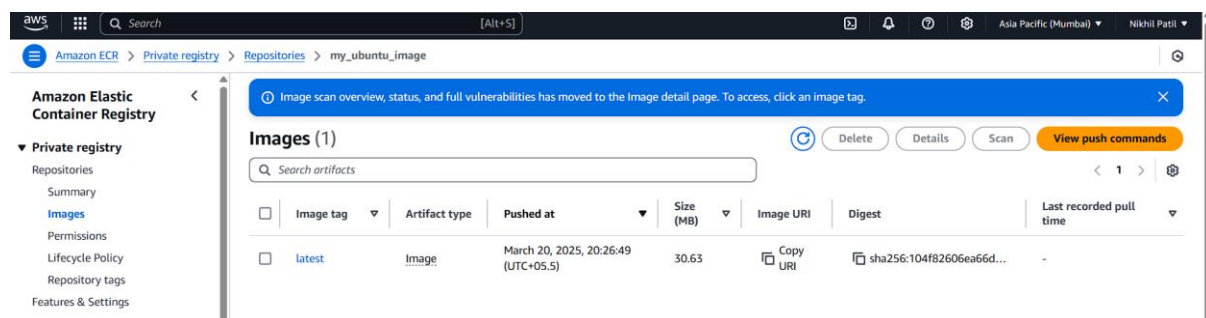


```
root@ip-172-31-36-206:~# aws configure
AWS Access Key ID [*****]: AKIAYPEK53LKGZG33PIE
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]:
root@ip-172-31-36-206:~# aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 559050250964.dkr.ecr.ap-south-1.amazonaws.com
WARNING! Your credentials are stored unencrypted in '/root/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
root@ip-172-31-36-206:~#
```

Push the images to ECR repository

```
root@ip-172-31-36-206:~# docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
tomcat_image        latest       5f35ead91861   2 days ago    904MB
my_image            latest       42b5e2211929   6 days ago    168MB
ubuntu             latest       a04dc4851cbc   7 weeks ago    78.1MB
nikhilpatil027/my_ubuntu_image latest       a04dc4851cbc   7 weeks ago    78.1MB
root@ip-172-31-36-206:~# docker tag my_ubuntu_image:latest 559050250964.dkr.ecr.ap-south-1.amazonaws.com/my_ubuntu_image:latest
Error response from daemon: No such image: my_ubuntu_image:latest
root@ip-172-31-36-206:~# docker tag ubuntu:latest 559050250964.dkr.ecr.ap-south-1.amazonaws.com/my_ubuntu_image:latest
root@ip-172-31-36-206:~# docker images
REPOSITORY          TAG          IMAGE ID       CREATED        SIZE
tomcat_image        latest       5f35ead91861   2 days ago    904MB
my_image            latest       42b5e2211929   6 days ago    168MB
559050250964.dkr.ecr.ap-south-1.amazonaws.com/my_ubuntu_image latest       a04dc4851cbc   7 weeks ago    78.1MB
ubuntu             latest       a04dc4851cbc   7 weeks ago    78.1MB
nikhilpatil027/my_ubuntu_image latest       a04dc4851cbc   7 weeks ago    78.1MB
root@ip-172-31-36-206:~# docker push 559050250964.dkr.ecr.ap-south-1.amazonaws.com/my_ubuntu_image:latest
The push refers to repository [559050250964.dkr.ecr.ap-south-1.amazonaws.com/my_ubuntu_image]
4b7c0led0534: Pushed
latest: digest: sha256:104f82606ea66da00e6cfecbccdb53ba4238a7057bed809f004107ad8e90c97 size: 529
root@ip-172-31-36-206:~#
```



Run container from the pulled image

Using: `docker run -d -p 8080:8080 -p 50000:50000 jenkins/jenkins:latest`

```
root@ip-172-31-36-206:~# docker pull jenkins/jenkins
Using default tag: latest
Error response from daemon: pull access denied for jenkins/jenkins, repository does not exist or may require 'docker login': denied: requested access to the resource is denied
root@ip-172-31-36-206:~# docker pull jenkins/jenkins
Using default tag: latest
latest: Pulling from jenkins/jenkins
155ad54a8b28: Pull complete
9cd3ad8b907a: Pull complete
2096a1b594f5: Pull complete
2b40af584007: Pull complete
ecc51e3fb14a: Pull complete
d3f4b6834408: Pull complete
fa4f59d471a4: Pull complete
bb1bd2f6d0c7: Pull complete
df69774b28d3: Pull complete
99f39e675d80: Pull complete
2793cdcd1259: Pull complete
8200837bfab5: Pull complete
Digest: sha256:03263af329c9ff067c038ba68937456a214fc439dcebc017442db4606e7220a9
Status: Downloaded newer image for jenkins/jenkins:latest
root@ip-172-31-36-206:~# docker run -d -p 8080:8080 -p 50000:50000 jenkins/jenkins:latest
016a0cf4479fc9b141bc34a5b5093076aale9b29c098felcb805f4a27c274ddc
root@ip-172-31-36-206:~#
```

Access Jenkins from browser using public Ip : 8080



Copy data from Container to local machine

```
aws [Alt+S] Search [Alt+S] Asia Pacific (Mumbai) Nikhil Patel
```

```
root@ip-172-31-36-206:~# mkdir jenkins_backup
root@ip-172-31-36-206:~# chmod 777 jenkins_backup/
root@ip-172-31-36-206:~# docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
016a0cf4479f   jenkins/jenkins:latest             "/usr/bin/tini -- /u..." 4 minutes ago  Up 4 minutes  0.0.0.0:8080->8080/tcp, [::]:8080->8080/tcp, 0.0.0.0:50000->50000/tcp, [::]:50000->50000/tcp, beautiful_darwin
root@ip-172-31-36-206:~# docker cp jenkins_backup 016a0cf4479f
must specify at least one container source
root@ip-172-31-36-206:~# docker cp jenkins_backup 016a0cf4479f:/var/jenkins_home
Successfully copied 1.54kB to 016a0cf4479f:/var/jenkins_home
root@ip-172-31-36-206:~# docker exec -it 016a0cf4479f bash
jenkins@016a0cf4479f:/$ cd /var/jenkins_home/
jenkins@016a0cf4479f:/$ ls
config.xml          hudson.model.UpdateCenter.xml  jenkins_backup  nodeMonitors.xml  secret.key          secrets  userContent  war
copy_reference_file.log  jenkins.telemetry.Correlator.xml  jobs            plugins           secret.key.not-so-secret  updates  users
```