```
openssl req -newkey rsa:4096 -nodes -sha256 -keyout
certs/dockerrepo.key -x509 -days 365 -out certs/dockerrepo.crt
-subj /CN=myregistrydomain.com

vim /etc/hosts
172.31.19.24 myregistrydomain.com

mkdir -p /etc/docker/certs.d/myregistrydomain.com:5000

cd /etc/docker/certs.d/myregistrydomain.com:5000

cp /home/ec2-user/certs/dockerrepo.crt ca.crt

docker pull registry:2
```

🚨👇👇 This has to be done ONLY at the /home/ec2-user path and NOT anywhere else.

```
docker run --entrypoint htpasswd registry:2 -Bbn test password
>auth/htpasswd

cat /home/ec2-user/auth/htpasswd

docker run -d \
  -p 5000:5000 \
  --restart=always \
  --name myregistry6 \
  -v `pwd`/auth:/auth \
  -e "REGISTRY_AUTH=htpasswd" \
  -e "REGISTRY_AUTH_HTPASSWD_REALM=Registry Realm" \
  -e REGISTRY_AUTH_HTPASSWD_PATH=/auth/htpasswd \
  -v `pwd`/certs:/certs \
  -e REGISTRY_HTTP_TLS_CERTIFICATE=/certs/dockerrepo.crt \
  -e REGISTRY_HTTP_TLS_KEY=/certs/dockerrepo.key \
  Registry:2
```

```
[root@ip-172-31-44-133 ec2-user]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
acf572033d96 registry:2 "/entrypoint.sh /etc..." 45 minutes ago Up 45 minutes
0.0.0.0:5000->5000/tcp silly_austin
```

[root@ip-172-31-44-133 ec2-user]# docker pull busybox

[root@ip-172-31-44-133 ec2-user]# docker tag busybox
myregistrydomain.com:5000/my-busybox

[root@ip-172-31-44-133 ec2-user]# docker push
myregistrydomain.com:5000/my-busybox

Get https://myregistrydomain.com:5000/v2/: http: server gave
HTTP response to HTTPS client

add the second line there and REMEMBER to put the Comma after the first line
[root@ip-172-31-44-133 docker]# vi /etc/docker/daemon.json

{
"storage-driver":"overlay2",
"insecure-registries":["myregistrydomain.com:5000"]
}

then systemctl stop docker
systemctl start docker

[root@ip-172-31-44-133 docker]# docker restart silly_austin
Silly_austin

[root@ip-172-31-44-133 docker]# docker push myregistrydomain.com:5000/my-busybox

[root@ip-172-31-44-133 docker]# docker login myregistrydomain.com:5000

[root@ip-172-31-44-133 docker]# docker push myregistrydomain.com:5000/my-busybox

[root@ip-172-31-44-133 docker]# docker rmi busybox
Untagged: busybox:latest

Untagged: busybox@sha256:cb63aa0641a885f54de20f61d152187419e8f6b159ed11a251a09d115fdff9bd

[root@ip-172-31-44-133 docker]# `docker rmi myregistrydomain.com:5000/my-busybox`

Untagged: myregistrydomain.com:5000/my-busybox:latest

Untagged: myregistrydomain.com:5000/my-busybox@sha256:5e8e0509e829bb8f990249135a36e81a3ecbe94294e7a185cc14616e5fad96bd

Deleted: sha256:e1ddd7948a1c31709a23cc5b7dfe96e55fc364f90e1cebcde0773a1b5a30dcda

Deleted: sha256:f9d9e4e6e2f0689cd752390e14ade48b0ec6f2a488a05af5ab2f9ccaf54c299d

Now we will find no images for busybox

[root@ip-172-31-44-133 docker]# `docker images`

REPOSITORY TAG IMAGE ID CREATED SIZE

mycentosserv v5 6ee6a7bcc8ae 5 days ago 360MB

[root@ip-172-31-44-133 docker]# `docker ps`

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

acf572033d96 registry:2 "/entrypoint.sh /etc..." About an hour ago Up 2 minutes 0.0.0.0:5000->5000/tcp silly_austin

[root@ip-172-31-44-133 docker]# `docker pull myregistrydomain.com:5000/my-busybox`

Using default tag: latest

latest: Pulling from my-busybox

8c5a7da1afbc: Pull complete

Digest: sha256:5e8e0509e829bb8f990249135a36e81a3ecbe94294e7a185cc14616e5fad96bd

Status: Downloaded newer image for myregistrydomain.com:5000/my-busybox:latest

[root@ip-172-31-44-133 docker]# `docker images`

REPOSITORY TAG IMAGE ID CREATED SIZE

myregistrydomain.com:5000/my-busybox latest e1ddd7948a1c 17 hours ago 1.16MB

👍👍👍👍