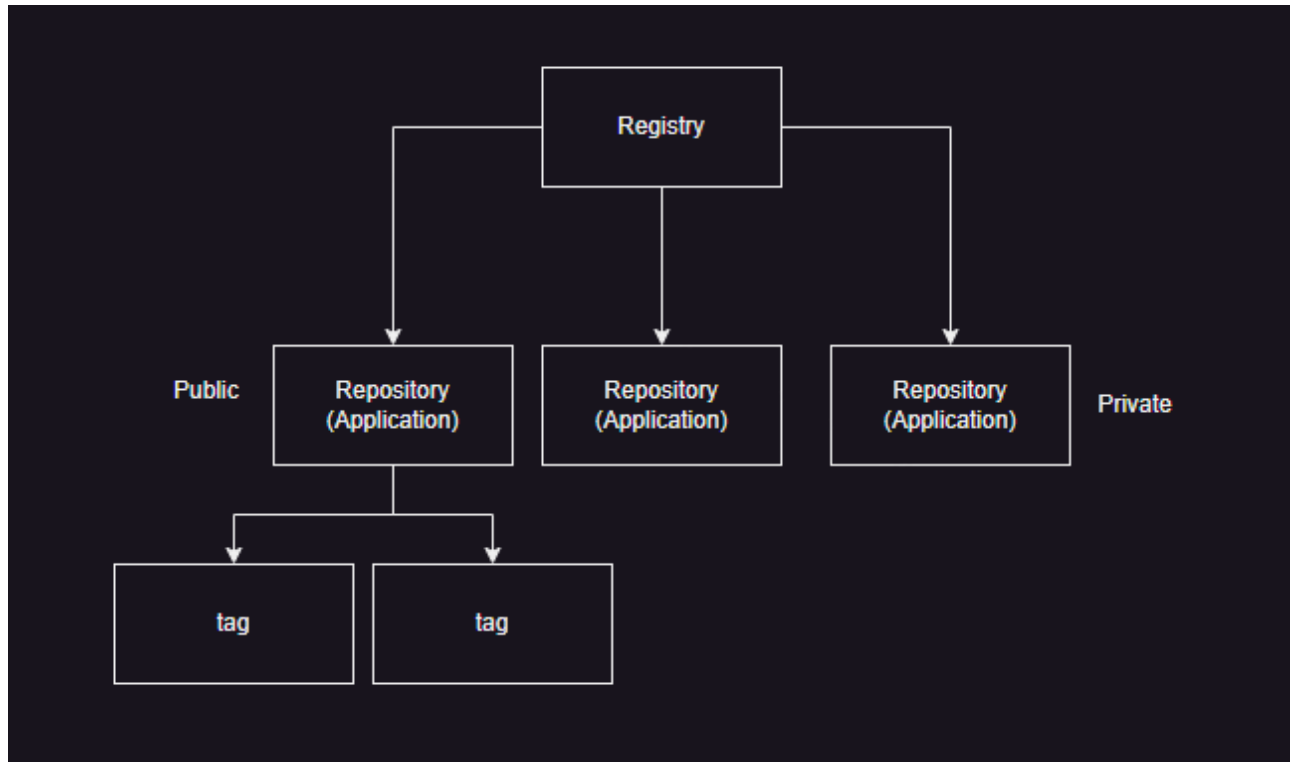


## Docker Registries

- Docker Registries are used to store the docker images and make it available to other users
- Default docker registry is docker hub



- Popular registries
  - Docker hub
  - Azure container registry (ACR)
  - AWS Elastic container registry (ECR)
  - Google container registry (GCR)
  - Jfrog Artifactory
- docker hub needs credentials and url to connect to registry
- Cloud based registries provide cli's to easily connect to registries

### Docker Hub

- Create a repository with convention `<username>/<repo-name>`
- While pushing images choose a readable tag

```
<username>/<repo-name>:<tag>
```

## Create repository

Namespace: shaikkhajaibrahim Repository Name \*: nopcommercejune2024



Short description

A short description to identify your repository. If the repository is public, this description is used to index your content on Docker Hub and in search engines, and is visible to users in search results.

## Visibility

Using 0 of 1 private repositories. [Get more](#)
☒ Public

Appears in Docker Hub search results

☐ Private

Only visible to you

Cancel

Create

## Pushing images

You can push a new image to this repository using the CLI:

```
docker tag local-image:tagname new-repo:tagname
docker push new-repo:tagname
```

Make sure to replace `tagname` with your desired image repository tag.

[General](#) [Tags](#) [Builds](#) [Collaborators](#) [Webhooks](#) [Settings](#)
[shaikkhajaibrahim/nopcommercejune2024](#)

Created less than a minute ago

This repository does not have a description [INCOMPLETE](#)

This repository does not have a category [INCOMPLETE](#)

## Docker commands

[Public View](#)

To push a new tag to this repository:

```
docker push shaikkhajaibrahim/nopcommercejune2024:tagname
```

Tags [INCOMPLETE](#)

This repository is empty. Push some images to it to see them appear here.

## Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

[Upgrade](#)

- Ensure you have an image built locally in the machine
- Now lets build nop commerce image and publish this into docker hub
  - login into docker hub **docker login**

```
learningthoughts@docker-machine:~/nopCommerce$ docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using SSO. Learn more at https://docs.docker.com/go/access-tokens/

Username: shaikkhajaibrahim
Password:
WARNING! Your password will be stored unencrypted in /home/learningthoughts/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
learningthoughts@docker-machine:~/nopCommerce$
```

- Now tag your image according to repo's naming conventions

```
learningthoughts@docker-machine:~/nopCommerce$ docker image tag nopcommerce:070624 shaikkhajaibrahim/nopcommercejune2024:070624
learningthoughts@docker-machine:~/nopCommerce$ docker image ls
REPOSITORY          TAG          IMAGE ID        CREATED        SIZE
nopcommerce         070624      05b7679f88f4   2 minutes ago  502MB
shaikkhajaibrahim/nopcommercejune2024  070624      05b7679f88f4   2 minutes ago  502MB
learningthoughts@docker-machine:~/nopCommerce$
```

- Now push the tagged image to repo

```
learningthoughts@docker-machine:~/nopCommerce$ docker image push shaikkhajaibrahim/nopcommercejune2024:070624
The push refers to repository [docker.io/shaikkhajaibrahim/nopcommercejune2024]
5f70bf18a086: Pushed
6d46b4b17f37: Pushed
42bc3319e536: Pushed
f2d1cb8501bc: Pushed
9cb5064811b2: Pushed
07d902c51b46: Pushed
38d1d6d49b62: Pushed
5d4427064ecc: Pushed
070624: digest: sha256:deb0549b0368340eb26db30c8e584cafb3ffca52c15eba74e4f3ffd07aa07939 size: 1999
learningthoughts@docker-machine:~/nopCommerce$
```

shaikkhajaibrahim / [Repositories](#) / [nopcommercejune2024](#) / [General](#)

Using 0 of 1 private repositories. [Get more](#)

General

Tags

Builds

Collaborators

Webhooks

Settings

shaikkhajaibrahim/nopcommercejune2024

Updated 1 minute ago

This repository does not have a description [✎](#) INCOMPLETE

This repository does not have a category [✎](#) INCOMPLETE

Docker commands

To push a new tag to this repository:

```
docker push shaikkhajaibrahim/nopcommercejune2024:tagname
```

[Public View](#)

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
<a href="#">070624</a>		Image	---	a few seconds ago

[See all](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

[Upgrade](#)

AWS ECR

- We need aws cli to be installed [Refer Here](#)
- IAM user to be created

- Create and ECR Repository

### Push commands for nopcommerce ✕

macOS / Linux

Windows

Make sure that you have the latest version of the AWS CLI and Docker installed. For more information, see [Getting Started with Amazon ECR](#).

Use the following steps to authenticate and push an image to your repository. For additional registry authentication methods, including the Amazon ECR credential helper, see [Registry Authentication](#).

- Retrieve an authentication token and authenticate your Docker client to your registry. Use the AWS CLI:

```
aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 381491878286.dkr.ecr.ap-south-1.amazonaws.com
```

Note: If you receive an error using the AWS CLI, make sure that you have the latest version of the AWS CLI and Docker installed.
- Build your Docker image using the following command. For information on building a Docker file from scratch see the instructions [here](#). You can skip this step if your image is already built:

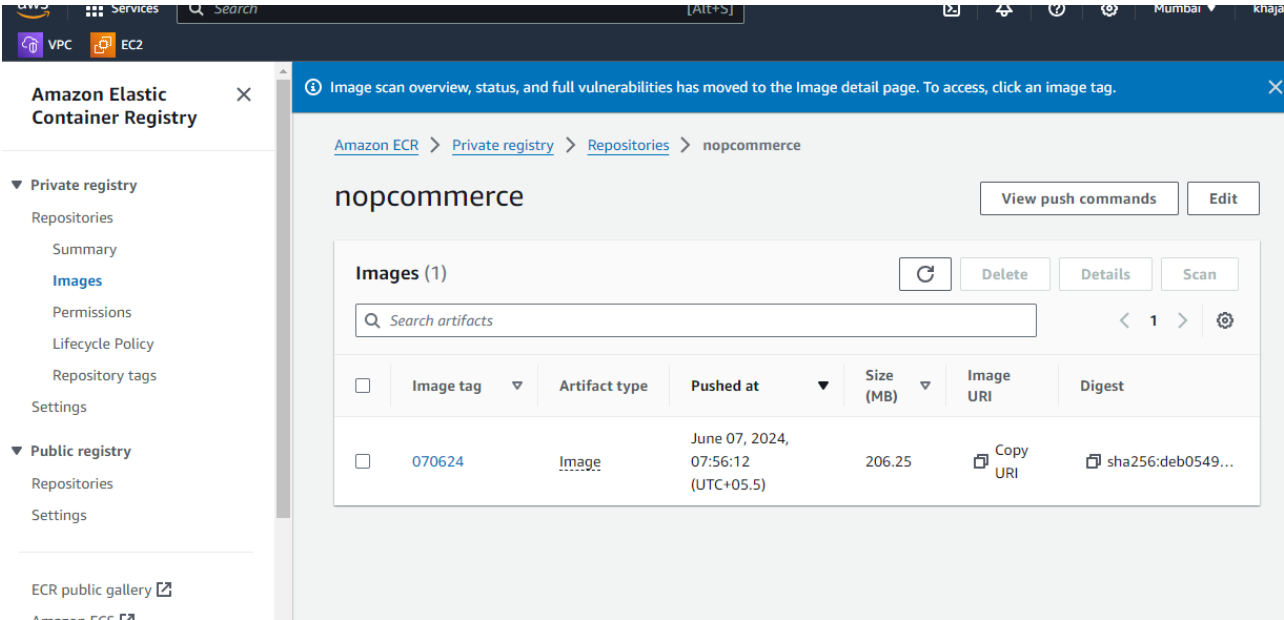
```
docker build -t nopcommerce .
```
- Build your Docker image using the following command. For information on building a Docker file from scratch see the instructions [here](#). You can skip this step if your image is already built:

Close

- Push the image repository as discussed in the class

```
learningthoughts@docker-machine:~$ aws ecr get-login-password --region ap-south-1 | docker login --username AWS --password-stdin 381491878286.dkr.ecr.ap-south-1.amazonaws.com
WARNING! Your password will be stored unencrypted in /home/learningthoughts/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
learningthoughts@docker-machine:~$ docker image tag nopcommerce:070624 381491878286.dkr.ecr.ap-south-1.amazonaws.com/nopcommerce:070624
learningthoughts@docker-machine:~$ docker image push 381491878286.dkr.ecr.ap-south-1.amazonaws.com/nopcommerce:070624
The push refers to repository [381491878286.dkr.ecr.ap-south-1.amazonaws.com/nopcommerce]
5f70bf18a086: Pushed
6d46b4b17f37: Pushed
42bc3319e536: Pushed
f2d1cb8501bc: Pushed
9cb5064811b2: Pushed
07d902c51b46: Pushed
38d1d6d49b62: Pushed
5d4427064ecc: Pushed
070624: digest: sha256:deb0549b0368340eb26db30c8e584cafb3ffca52c15eba74e4f3ffd07aa07939 size: 1999
learningthoughts@docker-machine:~$
```



Azure ACR

- We need to install azure cli [Refer Here](#)
- [Refer Here](#) for using ACR