

Experiment No. 1.2

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Branch: MCA - CCD

Section/Group: 22MCD-1/ Grp B

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Subject Name: Containerization With Docker

Subject Code: 22CAH-742

1. Aim/Overview of the practical: Pulling Docker Images from Docker Hub

2. Code for experiment/practical:

Pulling Docker images from Docker Hub is a quick and easy way to get started with Docker. Docker Hub contains a wide variety of pre-built images that you can use to run a variety of applications.

To pull Docker images from Docker Hub, you can use the docker pull command. This command will download the image from Docker Hub and store it on your local machine.

For Example:

To pull a single image, simply specify the image name and tag. For example, to pull the latest version of the Nginx image, you would use the following command:

```
docker pull nginx:latest
```

To pull all images from a repository, use the -a flag. For example, to pull all images from the nginx repository, you would use the following command:

```
docker pull nginx:latest -a
```

Steps to Pull Image from Docker Hub:

- \$ docker pull Image_Name

Ex: docker pull nginx

```
PS C:\Users\Pinda> docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
578acb154839: Pull complete
e398db710407: Pull complete
85c41ebe6d66: Pull complete
7170a263b582: Pull complete
8f28d06e2e2e: Pull complete
6f837de2f887: Pull complete
c1dfc7e1671e: Pull complete
Digest: sha256:86e53c4c16a6a276b204b0fd3a8143d86547c967dc8258b3d47c3a21bb68d3c6
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest

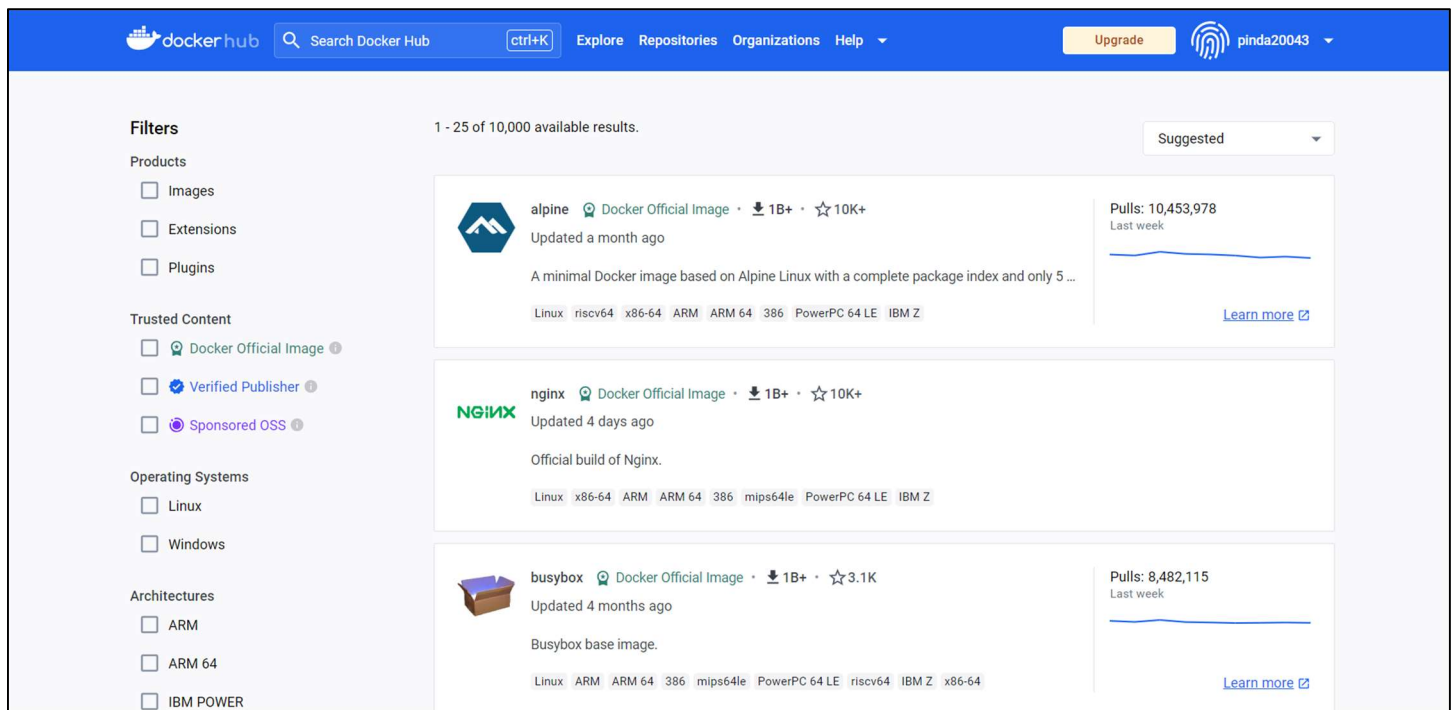
What's Next?
View summary of image vulnerabilities and recommendations → docker scout quickview nginx
PS C:\Users\Pinda> |
```

To Check if Image is pulled or not, Run \$ docker images

```
PS C:\Users\Pinda> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
nginx         latest    c20060033e06   4 days ago    187MB
```

Image is available in docker engine and ready to use.

DockerHub:



The screenshot shows the DockerHub search results page. The top navigation bar includes the DockerHub logo, a search bar, and links to Explore, Repositories, Organizations, and Help. The user's profile 'pinda20043' is visible in the top right. The main content area displays search results for 'alpine', 'nginx', and 'busybox' images. Each result includes the image name, 'Docker Official Image' badge, download and star counts, update time, description, supported architectures, and a pull count graph. The left sidebar contains filters for Products (Images, Extensions, Plugins), Trusted Content (Docker Official Image, Verified Publisher, Sponsored OSS), Operating Systems (Linux, Windows), and Architectures (ARM, ARM 64, IBM POWER).

Image Name	Repository	Tag	Image ID	Created	Size	Pulls (Last Week)
alpine	Docker Official Image	latest	c20060033e06	4 days ago	187MB	10,453,978
nginx	Docker Official Image	latest	c20060033e06	4 days ago	187MB	8,482,115
busybox	Docker Official Image	latest	c20060033e06	4 months ago	187MB	8,482,115

3. Learning outcomes (What I have learned):

- To Understand the DockerHub.
- To Pull Images from DockerHub.
- Understand to use Docker Images commands.