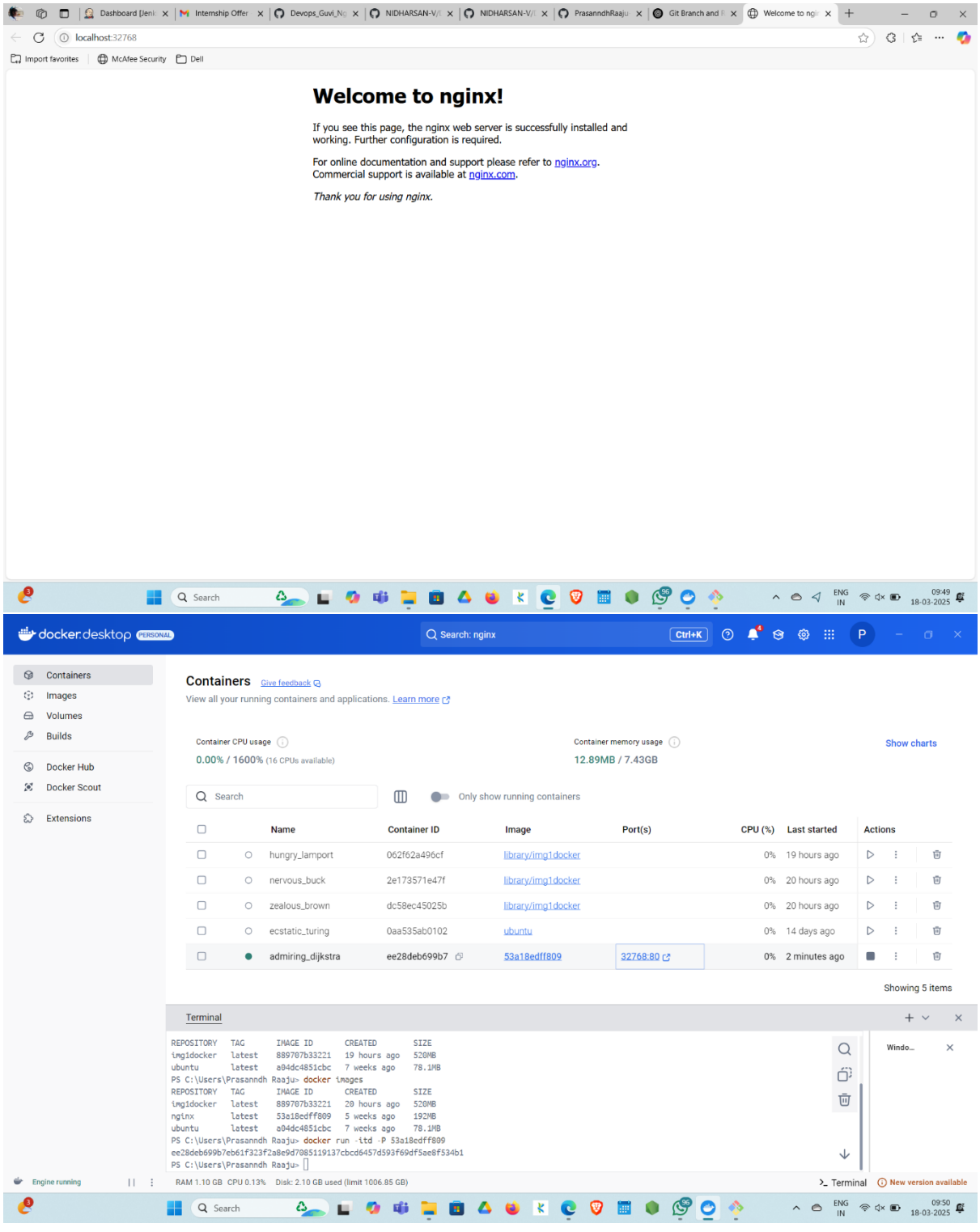
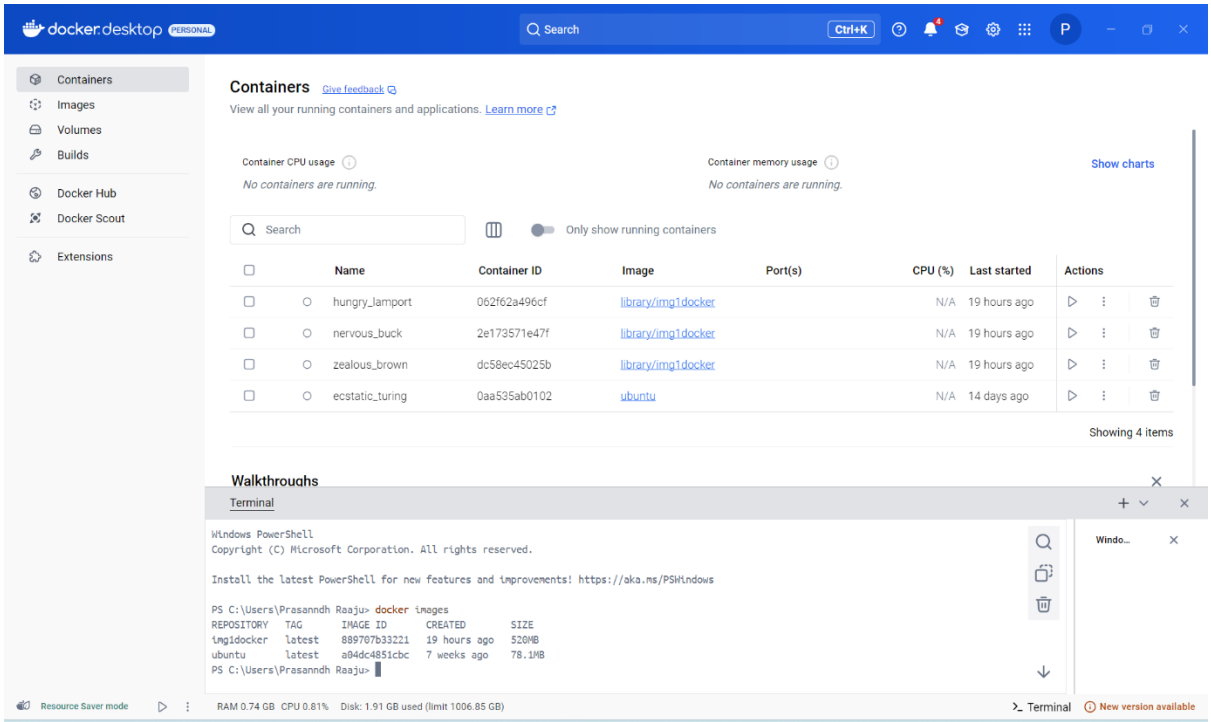
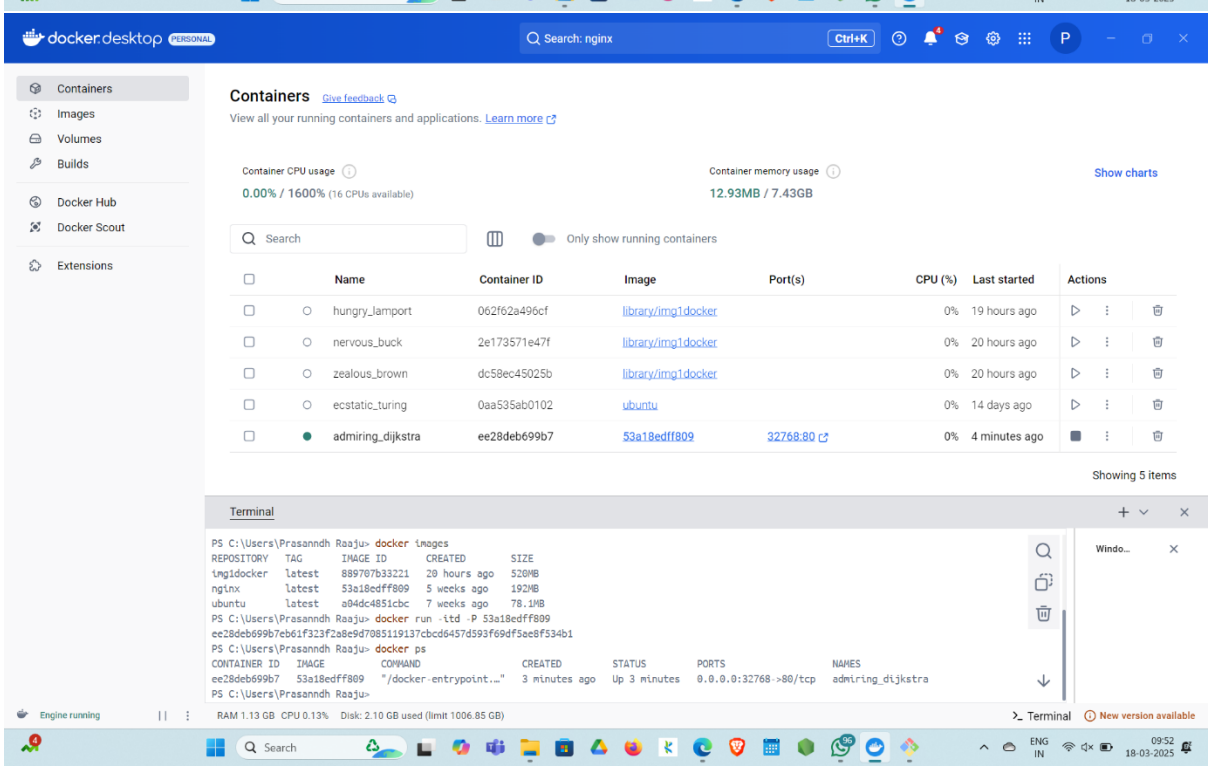

localhost:32768
Import favorites
McAfee Security
Dell
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.
docker desktop PERSONAL
Search: nginx
Ctrl+K
Containers
Images
Volumes
Builds
Docker Hub
Docker Scout
Extensions
Containers
Give feedback
View all your running containers and applications. Learn more
Container CPU usage
0.00% / 1600% (16 CPUs available)
Container memory usage
12.89MB / 7.43GB
Show charts
Search
Only show running containers
Name
Container ID
Image
Port(s)
CPU (%)
Last started
Actions
hungry_lamport 062f62a496cf library/img1docker 0% 19 hours ago
nervous_buck 2e173571e47f library/img1docker 0% 20 hours ago
zealous_brown dc58ec45025b library/img1docker 0% 20 hours ago
ecstatic_turing 0aa535ab0102 ubuntu 0% 14 days ago
admiring_dijkstra ee28deb699b7 53a18edff809 32768:80 0% 2 minutes ago
Showing 5 items
Terminal
REPOSITORY TAG IMAGE ID CREATED SIZE
img1docker latest 889707b33221 19 hours ago 520MB
ubuntu latest a04dc4851cbc 7 weeks ago 78.1MB
PS C:\Users\Prasanndh Raaju> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
img1docker latest 889707b33221 20 hours ago 520MB
nginx latest 53a18edff809 5 weeks ago 192MB
ubuntu latest a04dc4851cbc 7 weeks ago 78.1MB
PS C:\Users\Prasanndh Raaju> docker run -itd -P 53a18edff809
ee28deb699b7eb61f323f2a8e9d7085119137cbcd6457d593f69df5ae8f534b1
PS C:\Users\Prasanndh Raaju>
Engine running
RAM 1.10 GB CPU 0.13% Disk: 2.10 GB used (limit 1006.85 GB)
Terminal
New version available


docker desktop PERSONAL
Search Ctrl+K
Containers
Images
Volumes
Builds
Docker Hub
Docker Scout
Extensions
Containers
Give feedback
View all your running containers and applications. Learn more
Container CPU usage
No containers are running.
Container memory usage
No containers are running.
Show charts
Search
Only show running containers
Name Container ID Image Port(s) CPU (%) Last started Actions
hungry_lamport 062f62a496cf library/img1docker N/A 19 hours ago
nervous_buck 2e173571e47f library/img1docker N/A 19 hours ago
zealous_brown dc58ec45025b library/img1docker N/A 19 hours ago
ecstatic_turing 0aa535ab0102 ubuntu N/A 14 days ago
Showing 4 items
Walkthroughs
Terminal
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\Prasanndh Raaju> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
img1docker latest 889707b33221 19 hours ago 520MB
ubuntu latest a04dc4851cbc 7 weeks ago 78.1MB
PS C:\Users\Prasanndh Raaju>
Resource Saver mode
RAM 0.74 GB CPU 0.81% Disk: 1.91 GB used (limit 1006.85 GB)
Terminal
New version available
ENG IN 09:33 18-03-2025


docker desktop PERSONAL
Search: nginx Ctrl+K
Containers
Images
Volumes
Builds
Docker Hub
Docker Scout
Extensions
Containers
Give feedback
View all your running containers and applications. Learn more
Container CPU usage
0.00% / 1600% (16 CPUs available)
Container memory usage
12.93MB / 7.43GB
Show charts
Search
Only show running containers
Name Container ID Image Port(s) CPU (%) Last started Actions
hungry_lamport 062f62a496cf library/img1docker 0% 19 hours ago
nervous_buck 2e173571e47f library/img1docker 0% 20 hours ago
zealous_brown dc58ec45025b library/img1docker 0% 20 hours ago
ecstatic_turing 0aa535ab0102 ubuntu 0% 14 days ago
admiring_dijkstra ee28deb699b7 53a18edff809 32768:80 0% 4 minutes ago
Showing 5 items
Terminal
PS C:\Users\Prasanndh Raaju> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
img1docker latest 889707b33221 20 hours ago 520MB
nginx latest 53a18edff809 5 weeks ago 192MB
ubuntu latest a04dc4851cbc 7 weeks ago 78.1MB
PS C:\Users\Prasanndh Raaju> docker run -itd -P 53a18edff809
ee28deb699b7eb61f323f2a8e9d7085119137cbcd6457d593f69df5ae8f534b1
PS C:\Users\Prasanndh Raaju> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
ee28deb699b7 53a18edff809 "/docker-entrypoint.…" 3 minutes ago Up 3 minutes 0.0.0.0:32768->80/tcp admiring_dijkstra
PS C:\Users\Prasanndh Raaju>
Engine running
RAM 1.13 GB CPU 0.13% Disk: 2.10 GB used (limit 1006.85 GB)
Terminal
New version available
ENG IN 09:52 18-03-2025

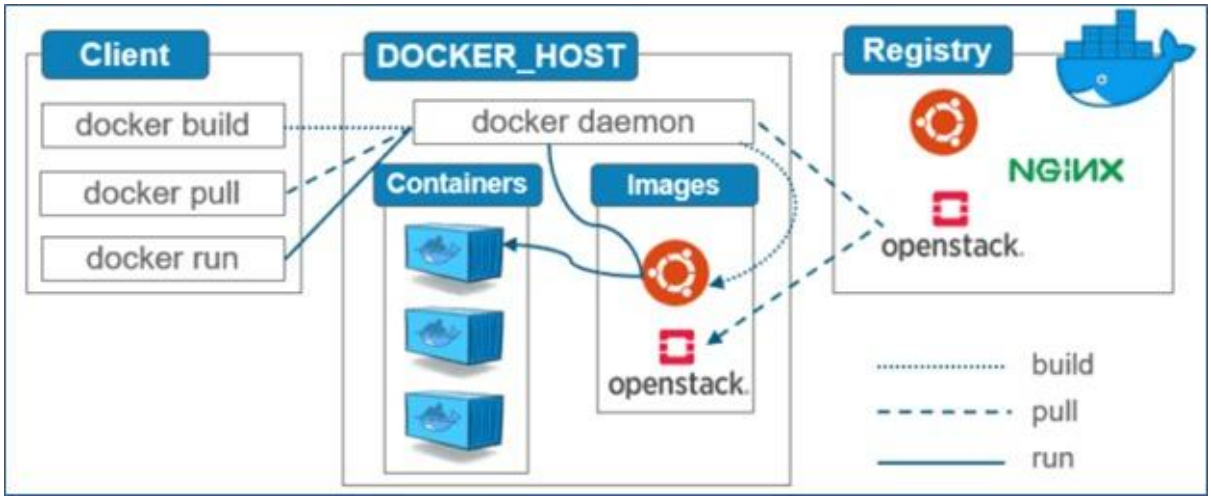
Software Development Life Cycle (SDLC)

SDLC is a structured approach to software development, ensuring quality and efficiency. It consists of several phases:

1. Requirement Analysis – Gather and analyze project needs.
2. Planning – Define scope, cost, and timeline.
3. Design – Create architectural and UI/UX designs.
4. Development – Write and implement the code.
5. Testing – Identify and fix bugs, ensuring quality.
6. Deployment – Release the software to production.
7. Maintenance – Provide updates and fixes post-deployment.

Docker

Docker is a containerization platform that allows developers to package applications and dependencies into lightweight, portable containers. It ensures consistency across environments, making deployment faster and more reliable. Docker is a platform that provides virtual containers on which an application can be deployed independent of the underlying OS of the server. Further the container can be created from a replica called docker image which contains all the dependencies and can run on any OS that has docker engine, with similar results.



Jenkins

Jenkins is an open-source automation tool for continuous integration and continuous delivery (CI/CD). It automates building, testing, and deploying applications, improving development efficiency.

Docker Nginx

Docker Nginx refers to running the Nginx web server inside a Docker container. Nginx is commonly used as a reverse proxy, load balancer, or web server, ensuring efficient handling of web traffic in containerized applications.

Docker Commands:

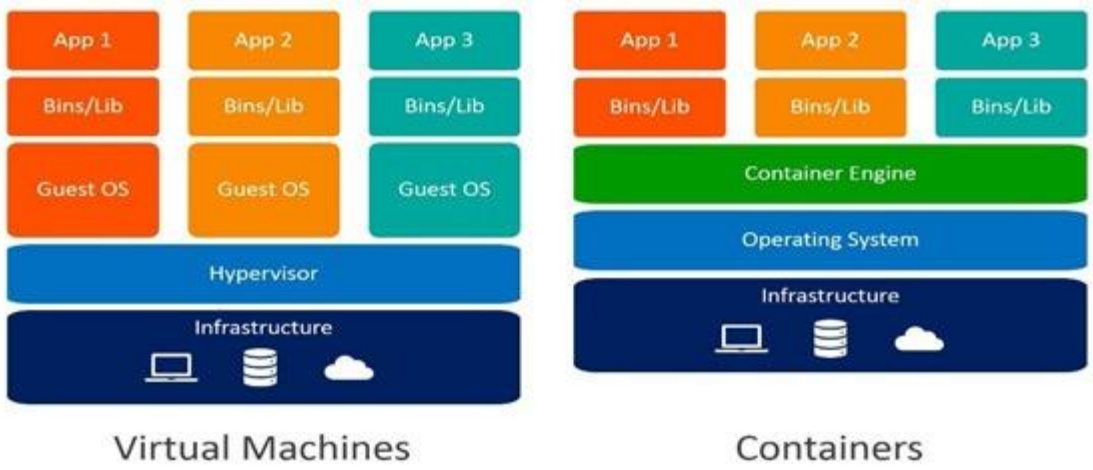
docker ps
docker run -itd -P <img_id>
docker images
docker ls
docker cp <s.f> <c.i>:<path>
docker exec -it containerid bin/bash

BASIC DOCKER COMMANDS
Display docker images available in our machine
$ docker images
Download docker image.
$ docker pull <image-name / image-id>
Run docker image.
$ docker run <image-name / image-id>
Delete docker image.
$ docker rmi <image-name / image-id>
Display all running docker containers.
$ docker ps
Display all running and stopped containers.
$ docker ps -a
Delete docker container.
$ docker rm <container-id>
Delete docker image forcefully.
$ docker rmi -f <image-id>
Stop Docker container.
$ docker stop <container-id>

#DOCKER COMMANDS FOR UBUNTU
$ sudo apt update -y
$ sudo apt install docker -y
$ sudo service docker start (or) sudo systemctl start docker
$ sudo service docker enable (or) sudo systemctl enable docker

VIRTUALIZATION:

Virtualization is the process of sharing hardware resources across several virtually isolated and mutually independent systems. It is achieved by using a hypervisor which acts as a bridge between the Operating System of each of the virtual machines and the underlying hardware.
Applications in virtual environments run on a host operating system on top of the hypervisor.



Virtual Machines Containers