Docker Commands with Descriptions

docker --version:

  -> Check installed Docker version

docker info:

  -> Display system-wide information about Docker

docker run hello-world:

  -> Run a test container to check Docker installation

docker pull <image>:

  -> Download an image from DockerHub

docker ps:

  -> List running containers

docker ps -a:

  -> List all containers (including stopped)

docker images:

  -> List all downloaded Docker images

docker build -t <name> .:

  -> Build a Docker image from a Dockerfile

docker run -it <image> bash:

  -> Run a container interactively with a shell

docker stop <container>:

  -> Stop a running container

docker rm <container>:

  -> Remove a container

docker rmi <image>:

-> Remove a Docker image

docker login:

  -> Login to DockerHub

docker tag <image> <username>/<repo>:

  -> Tag image for DockerHub

docker push <tagged-image>:

  -> Push an image to DockerHub

docker pull <tagged-image>:

  -> Pull an image from DockerHub

docker commit <container> <new-image>:

  -> Create image from a running container

docker volume create <name>:

  -> Create a named Docker volume

docker run -v <volume>:/path <image>:

  -> Mount volume to container

docker network create <name>:

  -> Create a custom Docker bridge network

docker-compose up -d:

  -> Run multi-container apps in detached mode

docker-compose down:

  -> Stop and remove all containers from a docker-compose file

docker exec -it <container> bash:

  -> Execute commands inside a running container

docker scan <image>:

  -> Scan Docker image for vulnerabilities