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DOCKER COMMAND CHEATSHEET

Commonly Used

docker – To check all available Docker Commands
docker version – To show Docker version
docker info – Displays system wide information
docker pull – To pull the docker Images from Docker Hub Repository
docker build – To Docker Image from Dockerfile
docker run – Run a container from a docker image.
docker commit – To commit a changes in container file OR create new Docker Image
docker ps – List all the running containers. Add the -a flag to list all the containers.
docker start – To start a docker container
docker stop – To stop a docker container
docker logs -To view Logs for a Docker Container
docker rename – To rename Docker Container
docker rm – To remove the Docker Container, stop it first and then remove it

Image Commands

docker build – To build Docker Image from Dockerfile
docker pull – To pull Docker Image from Docker Hub Registry
docker tag – To add Tag to Docker Image
docker images – To list Docker Images
docker push – To push Docker Images to repository
docker history – To show history of Docker Image
docker inspect – To show complete information in JSON format
docker save – To save an existing Docker Image
docker import – Create Docker Image from Tarball
docker export – To export existing Docker container
docker load – To load Docker Image from file or archives
docker rmi – To remove docker images

Container Commands

docker start – To start a Docker container
docker stop – To stop a running docker container
docker restart – To restart docker container
docker pause – To pause a running container
docker unpause – To unpause a running container
docker run – Creates a docker container from docker image
docker ps – To list Docker containers
docker exec – To Access the shell of Docker Container
docker logs – To view logs of Docker container
docker rename – To rename Docker container
docker rm – To remove Docker container
docker inspect – Docker container info command
docker attach – Attach Terminal to Running container
docker kill – To stop and remove Docker containers
docker cp – To copy files or folders between a container and from local filesystem.

Compose Commands

docker-compose build – build docker compose file
docker-compose up – To run docker compose file
docker-compose ls – To list docker images declared inside docker compose file
docker-compose start – To start containers which are already created using docker compose file
docker-compose run – To run one one of application inside docker-compose.yml
docker-compose rm – To remove docker containers from docker compose
docker-compose ps – To check docker container status from docker compose

Volume Commands

docker volume create – To create docker volume
docker volume inspect – To inspect docker volume
docker volume rm – To remove docker volume

Docker Hub Commands

docker search ubuntu - To search docker image
docker pull ubuntu - To pull image from docker hub
docker push fosstechnix/nodejsdocker - Push the Docker Image again
docker logout - To logout from Docker Hub Registry

Networking Commands

docker network create – To create docker network
docker network ls – To list docker networks
docker network inspect – To view network configuration details

Logs and Monitoring Commands

docker ps -a – To show running and stopped containers
docker logs – To show Docker container logs
docker events – To get all events of docker container
docker top – To show running process in docker container
docker stats – To check cpu, memory and network I/O usage
docker port – To show docker containers public ports
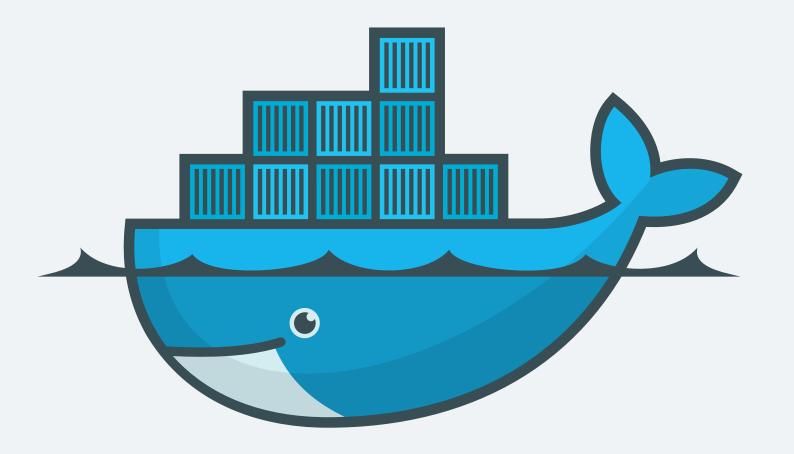
Docker Prune Commands

docker system prune - To clean all resources which are dangling or not associated with any docker containers
docker image prune - To remove Dangling Docker images To remove ail unused docker containers
docker container prune - To remove ail unused docker containers
docker volume prune - To remove ail unused docker volumes
docker network prune - To remove all unused docker network

The Ultimate Guide to Mastering Docker Commands:
Your One-Stop Reference!