

Docker Commands Cheat Sheet

1. Docker Basics

Check Docker version: `docker --version`

Test Docker installation: `docker run hello-world`

2. Managing Containers

Run a container: `docker run -it ubuntu`

Name a container: `docker run -it --name mycontainer ubuntu`

List running containers: `docker ps`

List all containers: `docker ps -a`

Stop a container: `docker stop mycontainer`

Start a container: `docker start mycontainer`

Attach to container: `docker attach mycontainer`

Remove a container: `docker rm mycontainer`

Remove all stopped containers: `docker container prune`

3. Managing Images

List images: `docker images`

Pull an image: `docker pull ubuntu`

Build an image: `docker build -t myimage .`

Remove an image: `docker rmi myimage`

4. Volumes & Data Persistence

Mount host folder: `docker run -it -v ~/host_folder:/container_folder ubuntu`

5. Copy Files Between Host & Container

Copy container → host: `docker cp mycontainer:/path/in/container /path/on/host`

Copy host → container: `docker cp /path/on/host mycontainer:/path/in/container`

6. Inspect & Logs

View container logs: `docker logs mycontainer`

Inspect container details: `docker inspect mycontainer`

7. Cleaning Up

Remove unused images, containers, volumes: `docker system prune -a`

Tips

If permission denied: `sudo usermod -aG docker $USER && newgrp docker`

Use `-it` for interactive terminals

Use `-v` to mount host folders for persistent data