

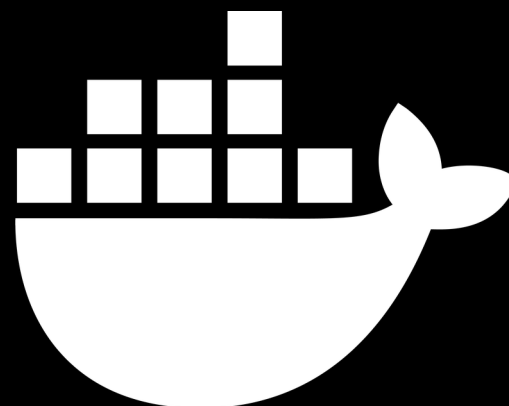
Docker Cheat Sheet

Installation

- **Install Docker:** `sudo apt-get install docker.io`
- **Install Docker Compose:** `sudo apt-get install docker-compose`

Basic Docker Commands

- **Check Running Containers:** `docker ps`
- **Pull an Image from Docker Hub:** `docker pull <image_name>`
- **List Docker Images:** `docker images`
- **Run a Container:** `docker run <image_name>`
- **Start a Stopped Container:** `docker start <container_id>`
- **Stop a Running Container:** `docker stop <container_id>`



Container Management

- **Inspect a Container or Image:** `docker inspect <container_id_or_image_name>`
- **Remove a Container:** `docker rm <container_id>`
- **View Container Logs:** `docker logs <container_id>`
- **Run a Container in Detached Mode:** `docker run -d <image_name>`
- **List All Containers (including stopped):** `docker ps -a`
- **Run a Container with Port Mapping:** `docker run -p <host_port>:<container_port> <image_name>`
- **Access a Running Container's Shell:** `docker exec -it <container_id> bash`

Image Management

- **Build an Image from Dockerfile:** `docker build -t <image_name> .`
- **Remove Unused Data:** `docker system prune`
- **Remove an Image:** `docker rmi <image_name>`
- **Tag an Image:** `docker image tag <source_image:tag> <target_image:tag>`
- **Push an Image to a Registry:** `docker push <image_name>`
- **Pull an Image from a Registry:** `docker pull <image_name>`

Volume Management

- **List Docker Volumes:** `docker volume ls`
- **Remove a Docker Volume:** `docker volume rm <volume_name>`
- **Create a Docker Volume:** `docker volume create <volume_name>`
- **Inspect a Docker Volume:** `docker volume inspect <volume_name>`

Docker Compose

- **Start Services Defined in docker-compose.yml:** `docker compose up`
- **Stop Services Defined in docker-compose.yml:** `docker compose down`

Networking

- **Create a Docker Network:** `docker network create <network_name>`
- **List Docker Networks:** `docker network ls`
- **Remove a Docker Network:** `docker network rm <network_name>`

