

KK FUNDA - Docker Commands Cheat Sheet

1. Image Commands

`docker images / docker image ls` - List images

`docker pull <image>` - Download image from Docker Hub

`docker build -t <name>:<tag> .` - Build image from Dockerfile

`docker tag <image> <repo>:<tag>` - Tag an image

`docker push <image>` - Push to Docker registry

`docker rmi <image>` - Remove image

`docker image prune -f` - Remove dangling images

`docker save -o <file>.tar <image>` - Save image to tar file

`docker load -i <file>.tar` - Load image from tar file

`docker history <image>` - Show image layers

`docker inspect <image>` - Image metadata

`docker commit <container> <image>` - Create image from container

2. Container Commands

`docker ps` - Show running containers

`docker ps -a` - Show all containers

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`docker run -it <image>` - Start container interactively

`docker run -d <image>` - Run in background (detached)

`docker start <container>` - Start stopped container

`docker stop <container>` - Graceful stop

`docker kill <container>` - Force stop

`docker restart <container>` - Restart container

`docker rm <container>` - Remove container

`docker exec -it <container> bash` - Run command inside container

`docker attach <container>` - Attach to container terminal

`docker logs <container>` - View container logs

`docker cp <src> <container>:<dest>` - Copy files

`docker rename old new` - Rename container

`docker top <container>` - View processes

`docker update` - Change resource limits

`docker export <container_id>` - Export container file system

`docker import <file>.tar` - Import container tar as image

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3. Volume Commands

`docker volume create <name>` - Create volume

`docker volume ls` - List volumes

`docker volume inspect <name>` - Volume details

`docker volume rm <name>` - Remove volume

`docker volume prune` - Remove unused volumes

4. Network Commands

`docker network ls` - List networks

`docker network create <name>` - Create network

`docker network inspect <name>` - Network details

`docker network connect <net> <container>` - Connect container

`docker network disconnect <net> <container>` - Disconnect

`docker network rm <name>` - Remove network

`docker network prune` - Remove unused

5. Docker System Management

`docker system df` - Disk usage by Docker

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docker system prune -a - Remove all unused objects

docker info - Show Docker system info

docker version - Docker version

docker stats - Real-time container stats

docker login - Authenticate with Docker registry

docker logout - Logout from Docker registry

6. Dockerfile Keywords

FROM - Base image

RUN - Command at build time

CMD - Default command to run

ENTRYPOINT - Executable container

COPY - Copy files to image

ADD - Like COPY + auto-extract

WORKDIR - Set working directory

ENV - Set environment variables

EXPOSE - Expose port

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VOLUME - Define mount point

USER - Set default user

LABEL - Metadata for image