

Commonly Asked Docker Commands (Interview Cheat Sheet)

Basic Docker Commands

docker --version: Check Docker version
docker info: Get system-wide Docker information
docker help: List available Docker commands

Image Management

docker images: List all images on the system
docker pull <image>: Download an image from Docker Hub
docker build -t <name> .: Build an image from a Dockerfile
docker rmi <image>: Remove an image

Container Lifecycle Management

docker ps: List running containers
docker ps -a: List all containers (including stopped)
docker run <image>: Run a new container
docker run -d -p 80:80 --name web nginx: Run in detached mode and map ports
docker stop <container>: Gracefully stop a container
docker kill <container>: Forcefully stop a container
docker start <container>: Start a stopped container
docker restart <container>: Restart a container
docker rm <container>: Remove a container

Accessing & Debugging Containers

docker logs <container>: View container logs
docker exec -it <container> /bin/bash: Get shell inside container
docker inspect <container>: Detailed info in JSON format
docker top <container>: Show running processes inside a container
docker stats: Live resource usage stats of containers

Volumes & Persistent Storage

docker volume create <name>: Create a named volume
docker volume ls: List volumes
docker volume inspect <volume>: Get volume details
docker volume rm <volume>: Remove a volume

Networking

docker network ls: List Docker networks
docker network create <name>: Create a custom network
docker network inspect <name>: View network configuration
docker network connect: Connect a container to a network
docker network disconnect: Disconnect container from network

Docker Compose

docker-compose up: Start services defined in docker-compose.yml
docker-compose up -d: Start in detached mode

Commonly Asked Docker Commands (Interview Cheat Sheet)

docker-compose down: Stop and remove services, networks, etc.

docker-compose ps: List services

docker-compose logs: Show service logs

docker-compose build: Build or rebuild services

Cleaning Up Resources

docker system prune: Remove unused data (containers, images, networks)

docker image prune: Remove unused images

docker container prune: Remove stopped containers

docker volume prune: Remove unused volumes

Tagging & Pushing Images

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

docker login: Log in to Docker Hub

docker push <repo>:<tag>: Push image to Docker Hub