100 Commands

Docker Cheat-Sheet

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Devops
Shack

Command	Example	Description
docker --version	docker --version	Show Docker version.
docker info	docker info	Display system-wide information.
docker help	docker help	List available Docker commands.
docker system prune	docker system prune	Remove unused Docker objects.
docker system df	docker system df	Show disk usage by Docker objects.
docker inspect <object>	docker inspect nginx	Show metadata about an object.
docker version --format '{{.Server.Version}}'	docker version --format '{{.Server.Version}}'	Show server version only.
docker wait <container>	docker wait my-container	Wait until a container stops.
docker rename <old-name> <new-name>	docker rename old-container new-container	Rename a container.
docker history <image>	docker history nginx	Show image layer history.
docker images	docker images	List all images.
docker pull <image>	docker pull nginx	Download an image.
docker rmi <image>	docker rmi nginx:latest	Remove an image.
docker tag <image> <repository>	docker tag nginx:latest my-repo/nginx:v1	Tag an image.
docker build -t <name> <path>	docker build -t my-app .	Build an image from a Dockerfile.
docker save <image> -o <file>	docker save nginx -o nginx.tar	Export an image to a tar file.
docker load -i <file>	docker load -i nginx.tar	Import an image from a tar file.
docker image prune	docker image prune	Remove unused images.
docker image ls --filter <filter>	docker image ls --filter dangling=true	List dangling images.
docker image inspect <image>	docker image inspect nginx	Inspect an image's metadata.
docker image history <image>	docker image history nginx	Show an image's history.
docker image rm <image>	docker image rm nginx	Remove a specific image.
docker ps	docker ps	List running containers.
docker ps -a	docker ps -a	List all containers.

docker run <image>	docker run nginx	Run a container.
docker run -d <image>	docker run -d nginx	Run a container in detached mode.
docker logs <container>	docker logs my-container	View logs of a container.
docker exec -it <container> <cmd>	docker exec -it my-container /bin/bash	Run a command inside a running container.
docker cp <source> <target>	docker cp file.txt my-container:/app/	Copy a file to a container.
docker stop <container>	docker stop my-container	Stop a running container.
docker start <container>	docker start my-container	Start a stopped container.
docker restart <container>	docker restart my-container	Restart a container.
docker rm <container>	docker rm my-container	Remove a stopped container.
docker kill <container>	docker kill my-container	Forcefully stop a container.
docker diff <container>	docker diff my-container	Inspect changes in container's filesystem.
docker inspect <container>	docker inspect my-container	Show metadata of a container.
docker port <container>	docker port my-container	List container's port mappings.
docker commit <container> <image>	docker commit my-container my-new-image	Create an image from a container.
docker stats	docker stats	Monitor resource usage of containers.
docker export <container>	docker export my-container > container.tar	Export a container filesystem.
docker attach <container>	docker attach my-container	Attach terminal to a running container.
docker wait <container>	docker wait my-container	Wait until the container exits.
docker rename <container>	docker rename old-container new-container	Rename a container.
docker pause <container>	docker pause my-container	Pause a running container.
docker unpause <container>	docker unpause my-container	Unpause a paused container.
docker checkpoint create	docker checkpoint create my-container checkpoint1	Create a checkpoint for a container.

docker checkpoint rm	docker checkpoint rm my-container checkpoint1	Remove a checkpoint.
docker top <container>	docker top my-container	Show running processes in a container.
docker events	docker events	Stream real-time Docker events.
docker ps --format <format>	docker ps --format '{{.Names}}'	List container names in a custom format.
docker system events	docker system events	Display system-wide Docker events.
docker volume create <name>	docker volume create my-volume	Create a new volume.
docker volume rm <name>	docker volume rm my-volume	Remove a specific volume.
docker volume prune	docker volume prune	Remove all unused volumes.
docker volume inspect <name>	docker volume inspect my-volume	Inspect details of a volume.
docker volume ls	docker volume ls	List all volumes.
docker run -v <volume>:<path>	docker run -v my-volume:/data nginx	Attach a volume to a container.
docker volume create --label <label>	docker volume create --label env=dev	Create a volume with a label.
docker volume inspect --format <format>	docker volume inspect my-volume --format '{{.Name}}'	Inspect volume with custom format.
docker run --mount	docker run --mount type=volume,source=my-volume,target=/app nginx	Mount a volume.
docker volume ls --filter <filter>	docker volume ls --filter dangling=true	List dangling volumes.
docker network create <name>	docker network create my-network	Create a new network.
docker network inspect <name>	docker network inspect my-network	Inspect details of a network.
docker network rm <name>	docker network rm my-network	Remove a specific network.
docker network ls	docker network ls	List all networks.
docker network connect	docker network connect my-network my-container	Connect a container to a network.
docker network disconnect	docker network disconnect my-network my-container	Disconnect a container from a network.
docker network prune	docker network prune	Remove all unused networks.

docker run --network <name>	docker run --network my-network nginx	Attach a container to a specific network.
docker-compose up	docker-compose up	Start services defined in docker-compose.yml.
docker-compose down	docker-compose down	Stop and remove Compose services.
docker-compose logs	docker-compose logs	View logs of Compose services.
docker-compose ps	docker-compose ps	List running Compose containers.
docker-compose restart <service>	docker-compose restart nginx	Restart a specific service.
docker-compose build	docker-compose build	Build images for services in docker-compose.yml.
docker-compose exec <service>	docker-compose exec nginx /bin/bash	Execute a command in a running service.
docker-compose scale <service>=<count>	docker-compose scale nginx=3	Scale a service to the desired number of instances.
docker swarm init	docker swarm init	Initialize a Swarm cluster.
docker swarm join-token <role>	docker swarm join-token worker	Display join token for a specific role.
docker node ls	docker node ls	List nodes in the Swarm cluster.
docker service create	docker service create --name nginx nginx	Create a new service in Swarm.
docker service ls	docker service ls	List all services in the Swarm.
docker service scale	docker service scale nginx=5	Scale a service in Swarm.
docker service rm	docker service rm nginx	Remove a service in Swarm.
docker stack deploy	docker stack deploy -c docker-compose.yml mystack	Deploy a stack in Swarm.
docker stack ls	docker stack ls	List all stacks in Swarm.
docker stack rm	docker stack rm mystack	Remove a stack in Swarm.
docker logs <container>	docker logs my-container	Show logs of a container.
docker events	docker events	Stream real-time Docker events.
docker top <container>	docker top my-container	Show running processes in a container.
docker inspect <object>	docker inspect nginx	Inspect details of an object.
docker stats	docker stats	Monitor resource usage of running containers.

docker-compose logs <service>	docker-compose logs nginx	View logs of a specific service in Compose.
docker scan <image>	docker scan nginx	Scan an image for vulnerabilities.
docker inspect <object>	docker inspect my-container	Inspect security settings of an object.
docker service update --auth	docker service update --auth nginx	Update a service with authentication.
docker run --security-opt <option>	docker run --security-opt no-new-privileges nginx	Run a container with specific security options.