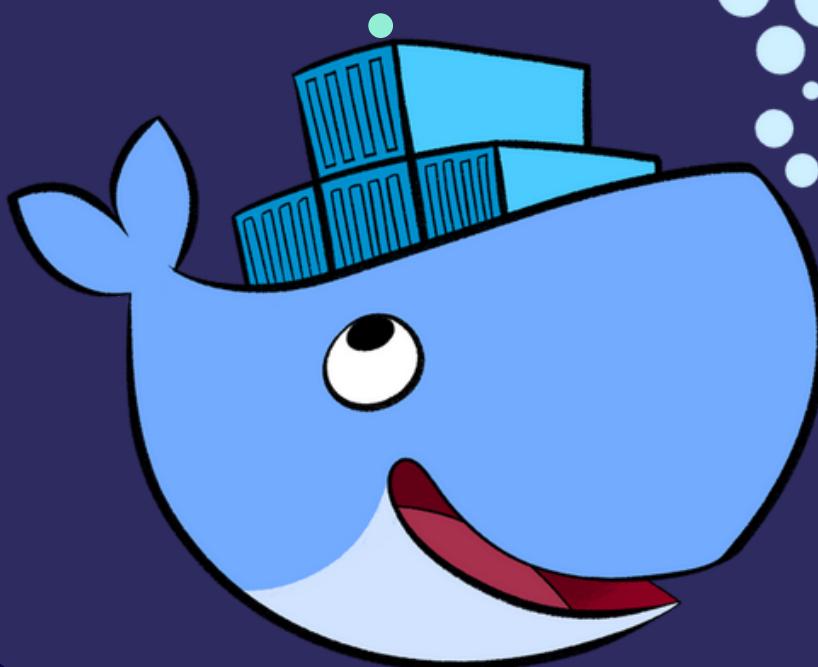


# DOCKER CHEAT SHEET



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# BASIC



```
// Show the Docker version information  
docker -v  
  
// Display system-wide information about Docker  
docker info  
  
// Log in to a Docker registry  
docker login  
  
// Log out from a Docker registry.  
docker logout  
  
// Search for an image in Docker Hub  
docker search <image_name>  
  
// Pull an image from Docker Hub.  
docker pull <image_name>  
  
// Push an image to Docker Hub  
docker push <image_name>
```



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# IMAGES



```
// List all images  
docker images
```

```
// Build an image from a Dockerfile  
docker build -t <image_name> .
```

```
// Remove an image  
docker rmi <image_name>
```

```
// Remove all unused images  
docker image prune
```

```
// Display detailed information about an image  
docker image inspect <image_name>
```



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# CONTAINERS

```
// List running containers  
docker ps  
  
// List all containers (running and stopped)  
docker ps -a  
  
// Create and start a container  
docker run <image_name>  
  
// start a stopped container  
docker start <container_id>  
  
// Stop a running container  
docker stop <container_id>  
  
// Restart a container  
docker restart <container_id>  
  
// Remove a container  
docker rm <container_id>  
  
// Remove all stopped containers  
docker container prune  
  
// Execute a command inside a running container  
docker exec -it <container_id> <command>  
  
// Fetch the logs of a container  
docker logs <container_id>  
  
// Display detailed information about a container  
docker inspect <container_id>
```



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# VOLUMES



```
// List all volumes  
docker volume ls
```

```
// Create a volume  
docker volume create <volume_name>
```

```
// Remove a volume  
docker volume rm <volume_name>
```

```
// Remove all unused volumes  
docker volume prune
```



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# NETWORKING



```
// List all networks  
docker network ls
```

```
// Create a network  
docker network create <network_name>
```

```
// Remove a network  
docker network rm <network_name>
```

```
// Remove all unused networks  
docker network prune
```



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# DOCKER FILE

```
// Build an image from a Dockerfile  
docker build -t <image_name> .  
  
// Build an image from a specified Dockerfile.  
docker build -f <Dockerfile_name> -t <image_name> .
```



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# COMPOSE



```
// Start services defined in a compose.yml file  
docker compose up  
  
// Stop services defined in a compose.yml file  
docker compose down  
  
// List running containers for services defined in a compose.yml file  
docker compose ps
```



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# MISCELLANEOUS



```
// Show the history of an image  
docker history <image_name>
```

```
// Display the running processes of a container  
docker top <container_id>
```

```
// Export a container's filesystem as a tar archive  
docker export <container_id> > <output_file.tar>
```

```
// Import a tarball to create a filesystem image  
docker import <input_file.tar> <repository>
```

```
// Tag an image to a repository with a specific tag  
docker tag <image_id> repository:tag
```



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