

**** DOCKER BASE CONTROLS ****

```
# List of containers started
docker ps

# List of all containers
docker ps -a

# Recovers the docker configuration
docker info

# Recover docker version
docker version

# Builds a Docker image from a "Dockerfile" or a container
docker build -t <Image>: <Tag>

# Connects to a remote repository
docker login <repository>

# Push image to remote repository
docker push <Image_Name>: <Tag>

# Extracts the image from the remote repository
docker pull <Image_Name>
```

**** IMAGE CONTROL ****

```
# List locally available images
docker images

# Execute the image
docker run <Image>

# Create an image
docker create <Image>: <Tag>

# Delete image
docker rmi <Image>

# Saving images in a tar archive
docker save <Image>

# Search for Docker images
docker search <image>

# Recover a docker image
docker pull <image>

# Builds an image from a "dockerfile"
docker build -t <image-name>

# Removes all unnecessary docking images
docker image prune
```

**** NETWORK COMMANDS ****

```
# List of networks
docker network ls

# Control network information
docker network inspector <Network>
```

```
# Create a network
docker network create <Network>

# Removes a network
docker network rm <Network>

# Connect a container to the network
docker network connect <Network> <Container>

# Specifies the IP address of the container interface
docker network connect --ip <IP> <Network> <Container>

# Disconnect the network container
docker network disconnect <Network_Name> <Container>

** VOLUME CONTROLS **

# Image controls
docker volume ls

# Volume control
docker volume inspector <Volume>

# Create a volume
docker volume create <Volume>

# Remove volume
docker volume rm <Volume>

# Removes unused volumes
docker volume prune

** DOCKER-COMPOSE **

# Start all services defined in the docker-compose.yml file
docker-compose up

# Stop and remove all containers, networks, and volumes associated with the
services defined in the docker-compose.yml file
docker-compose down

# List all containers started by the docker-compose up command, along with their
status
docker-compose ps

# View the logs of all containers or a specific service
docker-compose logs

# Build or rebuild all Docker images defined in the docker-compose.yml file
docker-compose build

# Stop all containers started by docker-compose up command without removing them
docker-compose stop

# Restart all containers or a specific service
docker-compose restart

# Run a command in a running container
docker-compose exec

# Pull updated images for services from their respective repositories
```

```
docker-compose pull
```

```
# Scale the number of containers for a specific service  
docker-compose up --scale <service>=<n>
```