Docker Commands

Here’s a list of commands to remember for docker administration.

List Containers

To list all docker containers on a host:

```
sudo docker ps -a
```

Remove Containers

To remove all docker containers on a host:

```
sudo docker rm -f $(sudo docker ps -aq)
```

Container Logs

To see the logs for a container:

```
sudo docker logs containername
```

Container Stats

To get the stats of docker containers, as a single snapshot:

```
docker stats --no-stream
```

Additional commands are here: How To Remove Docker Images, Containers, and Volumes | DigitalOcean

Copy Files from Container

To copy files out of a docker container, do this:

```
sudo docker cp <imageid>:/pathincontainer ~/pathonhost
```

Running a Terminal Container

Sometimes, it’s necessary to spin up a blank docker container for testing network or other facilities from a terminal session in the container.

Here’s a quick command that will spin up a container with an ubuntu bash terminal.

> NOTE: It also adds an /etc/hosts entry of (host.docker.internal) which is the docker entry for accessing the container’s host machine.

This is useful if you are testing visibility of any host services from the container.

```
docker run --rm -it --add-host host.docker.internal:host-gateway --entrypoint bash ubuntu
```

Once started and at the terminal, you can install network utilities such as ping, curl, etc with this:

```
apt-get update; apt-get install curl; apt-get install inetutils-ping; apt-get install net-tools
```

Opening a Terminal Inside An Active Container

If you want to open a terminal, inside an already running container, you can use this command:

```
docker exec -it <container_id_or_name> /bin/bash
```

If the container doesn't have bash, use this:

```
docker exec -it <container_id_or_name> /bin/sh
```

As well, you can install network utilities, such as Ping, curl, etc, into the container while in its terminal:

```
apt-get update; apt-get install curl; apt-get install inetutils-ping; apt-get install net-tools
```

Get Docker Gateway Address

Here’s a pair of commands to get the docker’s bridge network gateway address and subnet:

```
docker network inspect bridge --format='{{(index .IPAM.Config 0).Gateway}}'


docker network inspect bridge --format='{{(index .IPAM.Config 0).Subnet}}'
```

Revision #4
Created 31 July 2025 11:01:49 by glwhite
Updated 22 September 2025 05:08:11 by glwhite