

# Docker

```
docker ps -a
docker run -it -rm <container> bash
whoami
exit
```

Command	Description
run <image>[:tag] [command]	run container/image
<b>Basic</b>	
-it	-interactive and -tty
-rm	remove container
-d	run in background
-v [host-folder]:[container-folder]	add volume
stop <name/id>	
<b>Extended</b>	
--name [name]	define container name
-e <env>, --env-file <env-file>	add env
-h <hostname>	set hostname
-m <memory>	set memory limit
--network,=none	disable network
stop \$(docker ps -a -q)	stop all containers
docker rm \$(docker ps -a -q)	rm all containers
volume rm \$(docker volume ls -q)	rm all images
<b>Compose</b>	
compose up	down [-d]
<b>Others</b>	
search <searchword>	search registry
search -f is-official=true <sw>	
search -f stars=100 <sw>	

## Docker commit

```
docker commit [OPTIONS] CONTAINER_ID_OR_NAME [REPOSITORY[:TAG]]
```

-m "message"	Commit message
-a "author"	Author name
-c: <instructions>	Applies Dockerfile instructions
<b>workflow</b>	
docker ps -a	
docker commit -m "did something" <current_container> <custom_image:v#>	

## Network

<code>docker network create &lt;name&gt;</code>
<code>docker run -itd --network=&lt;name&gt; &lt;image&gt;</code>
<code>docker network create --subnet 10.0.2.0/24 &lt;name&gt;</code>
<code>docker run -itd --network=&lt;name&gt; --ip=10.0.0.69 &lt;image&gt;</code>