

Image (like a class)

A docker image
(e.g., *centos*)

`docker run [options] image cmd`

`docker run centos echo "hello world"`
`docker run -it centos bash`

Container (like an instance/object)

A container created from the image, which executes the *cmd*, then stops

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Stopped container

`docker start container`

Running container

`docker stop container`



`docker exec [options] container cmd`
(executes *cmd* in the running container)

`docker commit container image[:tag]`

`docker commit awesome_tereshkova gdancik/centos`

An image created from the running container

`docker push image`

`docker push gdancik/centos`

Image saved to Docker Hub

`docker pull image`
`docker pull gdancik/centos`

`docker ps -a` (show all containers)
`docker ps` (show running containers only)
`docker ps -l` (show latest created container)