

**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

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

Stopped container

docker start container

Running container

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

docker stop container

docker commit container image[:tag]

docker commit awesome\_tereshkova gdancik/centos

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)

An image created from the running container

docker push image

docker push gdancik/centos

Image saved to Docker Hub

