- Docker
  - Image
  - Container
  - Volume
  - network

## **Docker**

- docker login log in docker repo
- docker system info check docker information
- docker --version or docker -v check docker version
- docker port [container] set container port

# **Image**

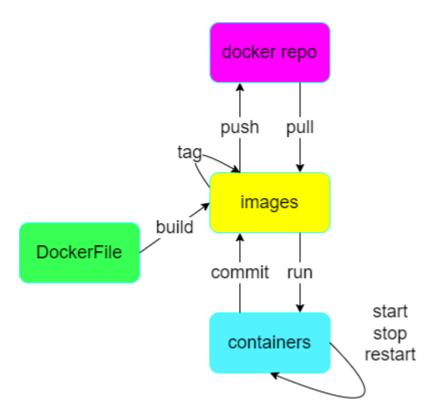
- docker image 1s check download images
  - -a show all images
  - --digests show digests
  - --filter dangling=true filter
  - o --format "{{.Repository}}:{{.Tag}}:{{.Size}}" see info in specific
    format
  - -q only show image id
- docker image pull [image]:[version] pull image from repo or dockerhub
- docker search [image] search image
- docker image inspect [image] see more info about image
- docker image rm [image] or docker rmi [image] remove image
- docker image build -t [dockerfile] build new image by dockerfile
- docker image push [new\_image] push your image into dockerhub
- docker image history [image] see image history
- docker image rm \$(docker image 1s -q) clear all images

- docker image prune deletes all dangling images
  - -a delelte dangling images and unused images
- docker tag [image]:[tag] [repo]:[tag] tag image

#### Container

- docker container 1s check created containers
  - -a show all containers
- docker container run -it [image] create new container
  - --restart restart the container
  - --name [name] define the name of container
  - ∘ -p 80:8080 give access port
  - -d run but not attach in container
  - -v [local\_path]:[container\_path] use volume to map with the container directory and local directory
  - --network [network] set WLAN
- docker attach [container] go into container
- docker exec -it [container] bash go into container interface
- docker start [container] start container
- docker container stop [container] stop container
- docker container rm [container] remove container
- docker commit [container] [new\_image:tag] commit container as a new image
  - ∘ -a [author] author
  - -m [message] message
- docker container prune remove all stopped containers
- docker rm -f \$(docker ps -aq) clear all containers

- docker container exec -it [container] [command] execute command in selected container
- docker rename [old\_name] [new name] rename the container
- docker cp [container]:[file\_path] [local] copy file between local and container



### Volume

- docker volume 1s see the volume
- docker volume create [volume] create new volume
- docker volume inspect [volume] see volume info
- docker volume rm [volume] remove volume
- docker volume prune remove volume not used in container

# network

- docker network 1s see the network configuration
- docker network create [name]create new network(base on bridge)
- docker network inspect [name] see network
- docker network connect [name] [container]connect container into network

