

DOCKER BASIC SYNTAX:

Pull an image from Docker Hub:

```
docker pull {image_name}
```

List images available:

```
docker images
```

Remove an image:

```
docker rmi {image_id/name}
```

List containers running:

```
docker ps
```

```
docker ps -a #List containers turned of
```

Rename a container:

```
docker rename {old_container_name} {new_container_name}
```

Boot an container

```
docker start {new_container_name}
```

```
docker exec -it {new_container_name} /bin/bash
```

Create new a container, and boot with option port and volume

```
docker run --name {container_name} -p {host_port}:{container_port} -v  
{/host_path}:{/container_path} -it {image_name} /bin/bash
```

View changes on container

```
docker diff {container_name}
```

Commit changes on container and image

```
Docker commit -m "message" {container_name} {image_name}
```

Save image file.tar

```
docker save {image_name} > {/host_path/new_image.tar}
```

Create an new image from file.tar

```
cat mushashi.tar | docker import - {new_image_name}:latest
```

View history commits on image:

```
docker history {image_name}
```

Recover images from IMAGE_id:

```
docker tag {image_id} {image_new_name}:{tag}
```

Build an image from container:

```
docker build -t {container_name} .
```

With dot is Dockerfile is placing in current folder.

Docker for development:

First you need to preparing image docker and your source code.

Step tutorial:

Pull an image from hub docker.

```
docker pull {image_name}
```

Prepare your source code.

Running your application on environment development:

```
docker run -v folder_local:folder_container -p port_container:port_local -it /bin/bash
```

Sense of that syntax:

docker run: make a container

-v folder_local:folder_container: connect local folder to container folder.

-p port_container:port_local: map port container and port local

-it /bin/bash: access to command line of container ssh.

Then do stuff something.

Docker for production:

First you need to preparing image docker and your source code. In your source code must be had Dockerfile that is configuring for docker.

Step tutorial:

Example: <https://nodejs.org/en/docs/guides/nodejs-docker-webapp/>