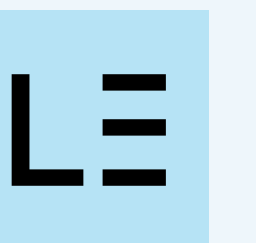# LIFETIME & VOLUMES

DOCKER BIND MOUNT 🧐

Bind mount — файл или директория на диске host системы.
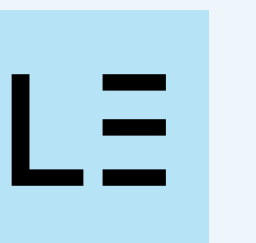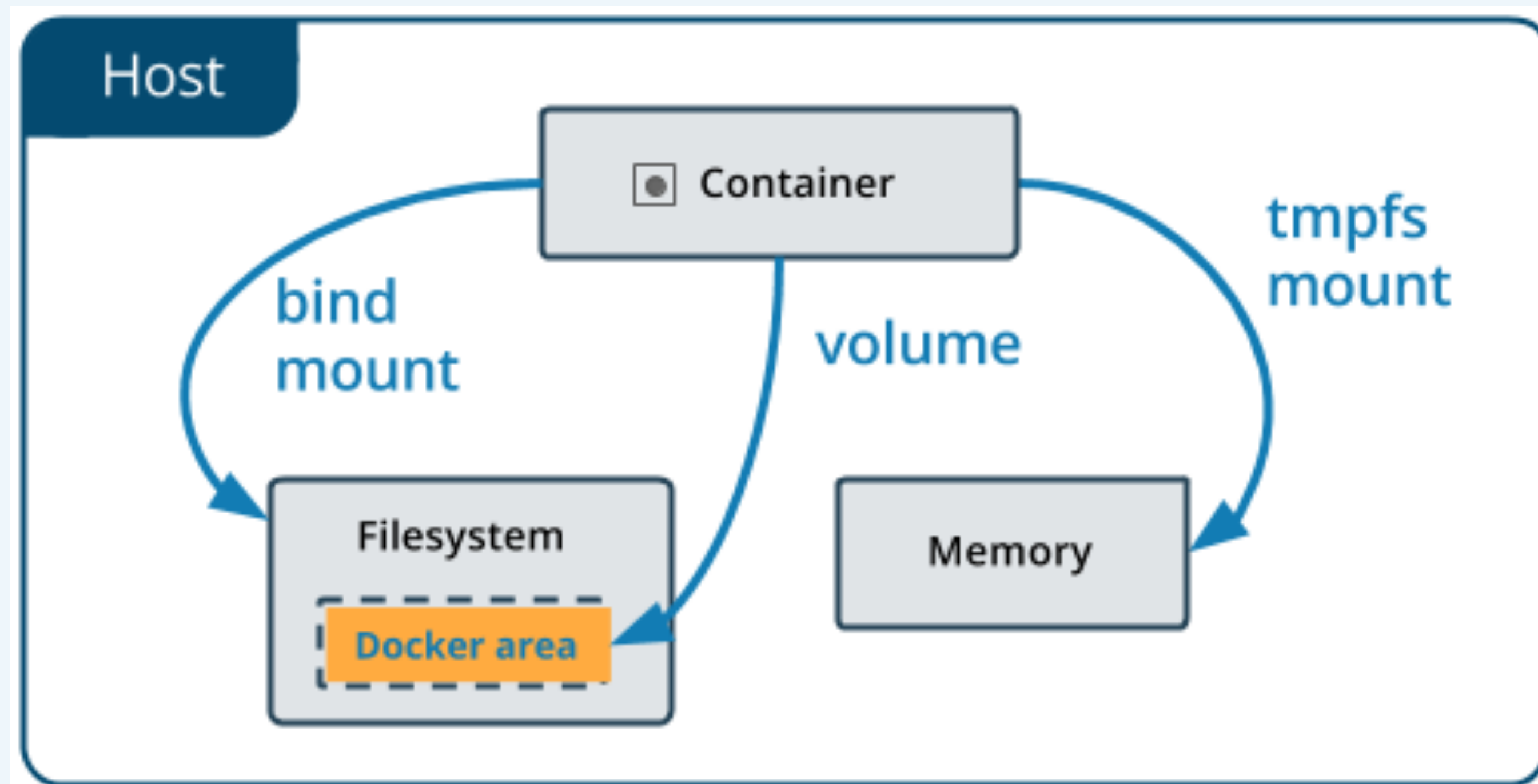
DOCKER VOLUME 🧐

Docker volume — механизм для постоянного сохранения данных генерируемых и используемых контейнером.

TMPFS 🧐

TMPFS — механизм для временного сохранения данных генерируемых и используемых контейнером в оперативной памяти host системы.

CONCEPTS 🧐

DOCKER VOLUME CMD 🚀

create

inspect
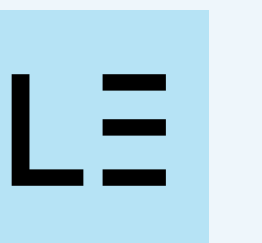
ls

prune

rm

DOCKERFILE VOLUME🧐

```
FROM nginx:alpine

VOLUME /usr/share/nginx/html
```

DOCKER VOLUME 🧐

docker volume create <options> <volume name>

Usage:

docker container run -d –v <volume name>:/container/path nginx

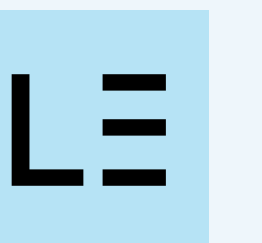# VOLUME: ANONYMOUS🧐

docker container run -d -v /usr/share/nginx/html nginx:alpine

VOLUME: NAMED 🧐

docker container run -d -v <volume name>:/usr/share/nginx/html nginx:alpine

VOLUME: ANONYMOUS 🧐

docker container run -d \

- -mount destination= /usr/share/nginx/html \

nginx:alpine

VOLUME: NAMED 🧐

```
docker container run -d \

- -mount source=nginx-vol,destination= /usr/share/nginx/html \

nginx:alpine
```

VOLUME: NAMED RO 🧐

```
docker container run -d \
- -mount source=nginx-vol,destination= /usr/share/nginx/html,readonly \
nginx:alpine
```

VOLUME: NAMED🧐

```
docker container run -d \
- -mount type=volume,source=nginx-vol,destination= /usr/share/nginx/html \
nginx:alpine
```

BIND: NAMED🧐

docker container run -d \

- -mount type=bind,source=nginx-vol,destination= /usr/share/nginx/html \

nginx:alpine

TMPFS: NAMED🧐

```
docker container run -d \
- -mount type=tmpfs,destination= /usr/share/nginx/html \
nginx:alpine
```
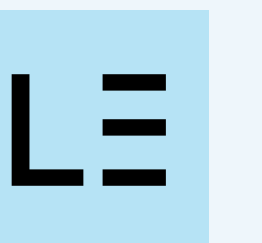
VOLUME: SOURCE OR SRC 🧐

```
docker container run -d \
- -mount type=volume,source=nginx-vol,destination= /usr/share/nginx/html \
nginx:alpine
```

BIND MOUNT 🧐

docker container run -d -v <path to host dir>:/usr/share/nginx/html nginx:alpine

ПОЕХАЛИ!