**如何在Docker容器内外互相拷贝数据？**

**从容器内拷贝文件到主机上**

docker cp <containerId>:/file/path/within/container /host/path/target

docker cp <containerId>:/file/path/within/container /host/path/target

**从主机上拷贝文件到容器内**

参考自：

<http://stackoverflow.com/questions/22907231/copying-files-from-host-to-docker-container>

**1.用-v挂载主机数据卷到容器内**

docker run -v /path/to/hostdir:/mnt $container

在容器内拷贝

cp /mnt/sourcefile /path/to/destfile

docker run -v /path/to/hostdir:/mnt $container

在容器内拷贝

cp /mnt/sourcefile /path/to/destfile

**2.直接在主机上拷贝到容器物理存储系统**

A. 获取容器名称或者id :

$ docker ps

$ docker ps

B. 获取整个容器的id

$ docker inspect -f   '{{.Id}}'  步骤A获取的名称或者id

$ docker inspect -f '{{.Id}}' 步骤A获取的名称或者id

C. 在主机上拷贝文件:

$ sudo cp path-file-host /var/lib/docker/aufs/mnt/FULL\_CONTAINER\_ID/PATH-NEW-FILE

或者

$ sudo cp path-file-host /var/lib/docker/devicemapper/mnt/123abc<<id>>/rootfs/root

$ sudo cp path-file-host /var/lib/docker/aufs/mnt/FULL\_CONTAINER\_ID/PATH-NEW-FILE

或者

$ sudo cp path-file-host /var/lib/docker/devicemapper/mnt/123abc<<id>>/rootfs/root

**例子：**

$ docker ps

CONTAINER ID      IMAGE    COMMAND       CREATED      STATUS       PORTS        NAMES

  d8e703d7e303   solidleon/ssh:latest      /usr/sbin/sshd -D                      cranky\_pare

  $ docker inspect -f   '{{.Id}}' cranky\_pare

  or

$ docker inspect -f   '{{.Id}}' d8e703d7e303

  d8e703d7e3039a6df6d01bd7fb58d1882e592a85059eb16c4b83cf91847f88e5

  $ sudo cp file.txt /var/lib/docker/aufs/mnt/\*\*d8e703d7e3039a6df6d01bd7fb58d1882e592a85059eb16c4b83cf91847f88e5

$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

d8e703d7e303 solidleon/ssh:latest /usr/sbin/sshd -D cranky\_pare

$ docker inspect -f '{{.Id}}' cranky\_pare

or

$ docker inspect -f '{{.Id}}' d8e703d7e303

d8e703d7e3039a6df6d01bd7fb58d1882e592a85059eb16c4b83cf91847f88e5

$ sudo cp file.txt /var/lib/docker/aufs/mnt/\*\*d8e703d7e3039a6df6d01bd7fb58d1882e592a85059eb16c4b83cf91847f88e5

**3.用输入输出符**

docker run -i ubuntu /bin/bash -c 'cat > /path/to/container/file' < /path/to/host/file/

[http://static.blog.csdn.net/images/save_snippets_01.png](javascript:;)

docker run -i ubuntu /bin/bash -c 'cat > /path/to/container/file' < /path/to/host/file/

或者

docker exec -it <container\_id> bash -c 'cat > /path/to/container/file' < /path/to/host/file/

[http://static.blog.csdn.net/images/save_snippets_01.png](javascript:;)

docker exec -it <container\_id> bash -c 'cat > /path/to/container/file' < /path/to/host/file/