Sharing Containers: Commit and Export-Import Methods

1 List out containers

```
$ docker ps -a
```

2 Commit changes in containerFS

```
$ docker commit --author="Cerulean Canvas" ubuntu-dev ubuntu:dev-v1
```

3 Look for the new committed image

```
$ docker images ubuntu:dev-v1
```

4 Run a container

```
$ docker run -itd --name ubuntu-commit ubuntu:dev-v1
```

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5 Attach to the container

```
$ docker attach ubuntu-commit

    ls
```

6 Make a backup directory

```
$ mkdir container-backup && cd
container-backup
```

7 Export containerFS to tarball

```
$ docker export --output="ubuntu-18.04-
v1.tar" ubuntu-commit
```

8 Look at tarball content

```
$ mkdir dirlist

$ tar -xf ubuntu-18.04-v1.tar -C
dirlist/

$ tree dirlist -L 2 -d
```

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9 Import containerFS from tarball

```
$ docker import \
--message "This is an imported
container FS." \
--change "CMD bash" \
ubuntu-18.04-v1.tar \
ubuntu-import:v1
```

10 List out images

```
$ docker images
```

11 Run a container from imported image

```
$ docker run --rm -it ubuntu-import:v1

  ls tmp/

  exit
```

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