

Working with Docker Volumes

1 List out Docker volumes on host

```
$ docker volume ls
```

2 Create unnamed volume

```
$ docker volume create
```

3 Check volume contents on host

```
$ sudo su -  
  
cd /var/lib/docker/volumes  
  
ls  
  
exit
```



4 Create a named volume

```
$ docker volume create --name  
vol-ubuntu
```

5 List out volumes

```
$ docker volume ls
```

6 Inspect named volume

```
$ docker volume inspect vol-ubuntu
```

7 Mount a volume to container

```
$ docker run --rm -itd --name alpha-  
ubuntu -v vol-ubuntu:/etc ubuntu:latest
```

8

Create a named volume

```
$ sudo su -  
  
cd /var/lib/docker/volumes/vol-  
ubuntu/_data  
  
ls  
  
touch temp.conf  
  
exit
```

9

Execute bash in ubuntu

```
$ docker exec -it alpha-ubuntu bash  
  
ls /etc  
  
exit
```



10

Create container and volume simultaneously.

```
$ docker run -itd --name alpha-centos \  
--mount source=vol-  
centos,destination=/etc,readonly \  
centos:latest
```

11

List volumes

```
$ docker volume ls
```

12

Check out volume contents on host

```
$ sudo su -  
  
cd /var/lib/docker/volumes/vol-  
centos/_data  
  
ls  
  
exit
```



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Add content to read-only volume

```
$ docker exec -it alpha-centos bash  
  
cd /etc  
  
ls  
  
touch tmp.conf  
  
exit
```

