

1. Create a volume with name my\_homework\_volume
2. Start a container Ubuntu with a name container\_1 connected to the volume from step 1
3. While you are within the container\_1, go to the directory of the volume and create there a file hello.txt without any content. Use command: touch [name of the file].
4. Get out of the container
5. Create second container Ubuntu with a name container\_2 connected to the same volume
6. In the second container go to the directory of the volume and find there the file hello.txt (command ls). Remove this file by command rm.
7. Get out of the container\_2 and get back to the container\_1. Go to the volume directory. By command "ls" check whether the file hello.txt exists there?
8. Get out of the container
9. Try to remove the volume by command: docker volume rm my\_homework\_volume

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Microsoft Windows [Version 10.0.22621.3593]
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C:\Users\Owner>docker volume create my_homework_volume
my_homework_volume

C:\Users\Owner>docker run -it --name container_1 --rm --mount type=volume,src=my_homework_volume,target=/volume/ ubuntu bash
root@cb0a3cce796a:/# touch volume/hello.txt
root@cb0a3cce796a:/#

C:\Users\Owner>docker run -it --name container_2 --rm --mount type=volume,src=my_homework_volume,target=/volume/ ubuntu bash
root@28f8caff8425:/# ls
bin dev home lib64 mnt proc run srv tmp var
boot etc lib media opt root sbin sys usr volume
root@28f8caff8425:/# ls volume
hello.txt
root@28f8caff8425:/# rm volume/hello.txt
root@28f8caff8425:/# ls
bin dev home lib64 mnt proc run srv tmp var
boot etc lib media opt root sbin sys usr volume
root@28f8caff8425:/#

C:\Users\Owner>docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
28f8caff8425   ubuntu   "bash"    3 minutes ago    Up 3 minutes           container_2
cb0a3cce796a   ubuntu   "bash"    3 minutes ago    Up 3 minutes           container_1

C:\Users\Owner>docker container attach container_1
root@cb0a3cce796a:/# ls volume
root@cb0a3cce796a:/# read escape sequence

C:\Users\Owner>docker volume rm my_homework_volume
Error response from daemon: remove my_homework_volume: volume is in use - [cb0a3cce796af402bfecca51acb8163622251e519a97a8844abd85c3472fa445, 28f8caff8425a7c5e01609a6cfa9a8e494b2394b5478fa867d28d0612926f434]
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1. Did you manage to find the created file hello.txt within container\_1, after you had removed the file within the container\_2?  
answer: No, I couldn't find the hello.txt file in container\_1 after removing it in container\_2 because both containers are connected to the same volume, giving them access to the same data.

2. Which error did you get while trying to remove the volume?  
answer: When I tried to remove the volume with this command: C:\Users\Owner>docker volume rm my\_homework\_volume I got the following error:  
Error response from daemon: remove my\_homework\_volume: volume is in use - [cb0a3cce796af402bfecca51acb8163622251e519a97a8844abd85c3472fa445, 28f8caff8425a7c5e01609a6cfa9a8e494b2394b5478fa867d28d0612926f434]

3. What we need to do in order to remove the volume?  
answer: To remove the volume, all containers linked to this volume must be deleted first, after which the volume can be removed.