Lab 5 - Virtualization

Q1 - What happen if we remove our alpha container now?

A1 – If we remove our alpha container the /data is also removed, so no data is persisted and the changes we made inside the container is lost.

Q2 - Were you able to locate your hello.txt file?

A2 – Yes, I was able to locate the `hello.txt` file because the folder `/data` was mounted to the host. In docker file the `VOLUME` command defines the mount point and is the one that helped persist data even after deleting the container.

Q3 - What do you see in ping.txt file? Is that what you had expected?

A3 – Yes, the command is run, and the output is stored in the `ping.txt` file which is a persisted file found inside the mounted folder `/data` as found in the terminal command.

Q4 - Were you able to locate ping.txt file? What was its content and justify your finding?

A 4 – We see a list of pings to 8.8.8.8 inside the ping.txt file since that is output of the command `ping 8.8.8.8`. Yes, this is what I expected.

Q5 – Were you able to locate ping.txt file? What was its content and justify your finding?

A5 - Yes, even after deleting I was able to locate ping.txt file because it was mounted using the `-v` command.

Q6 - What can you tell about this Mountpoint?

A6 – As the volume is created separately using the volume api the mountpoint for the volume `html` is fixed to ` /var/lib/docker/volumes/html/\_data` which can be modified by the host and can be attached to any container.

Q7 - What is the impact of the bind-mount?

A7 – The folder on the host `/tmp` is mounted inside the container `/data` so the content of the `/tmp` folder from host is shown even when ls’ing from inside the docker container.

Q8 - Are the default index.html and 50x.html files still there in the container’s /usr/share/nginx/html folder?

A8 – No, the content of the nginx folder inside the container is replace with the content of the host. So, items inside the hosts `/tmp` is shown in the container.