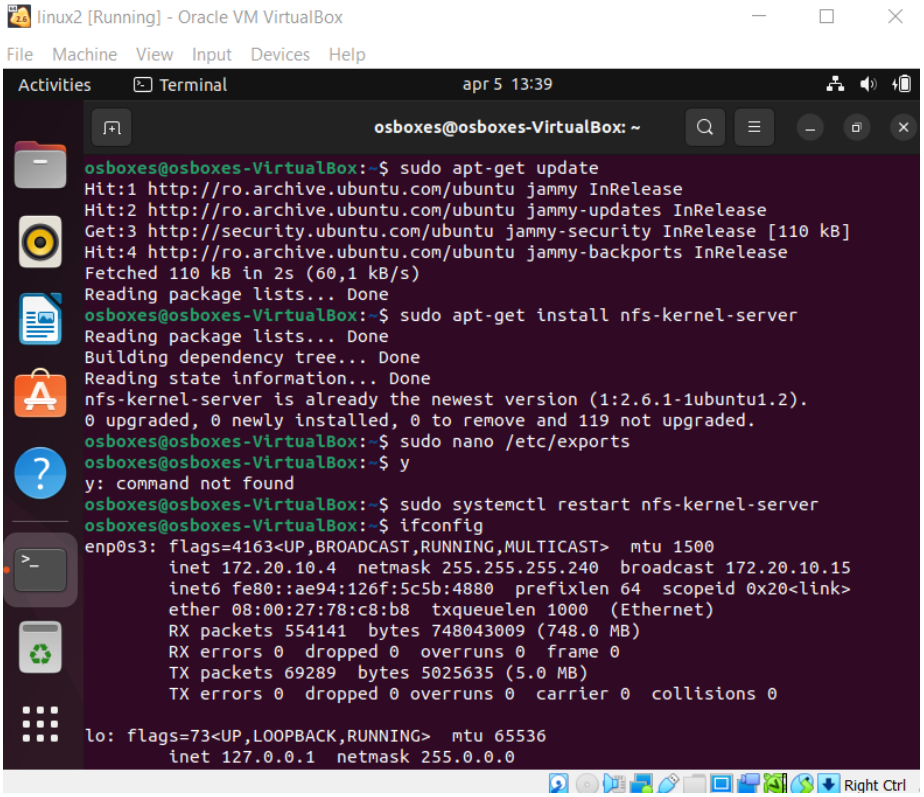
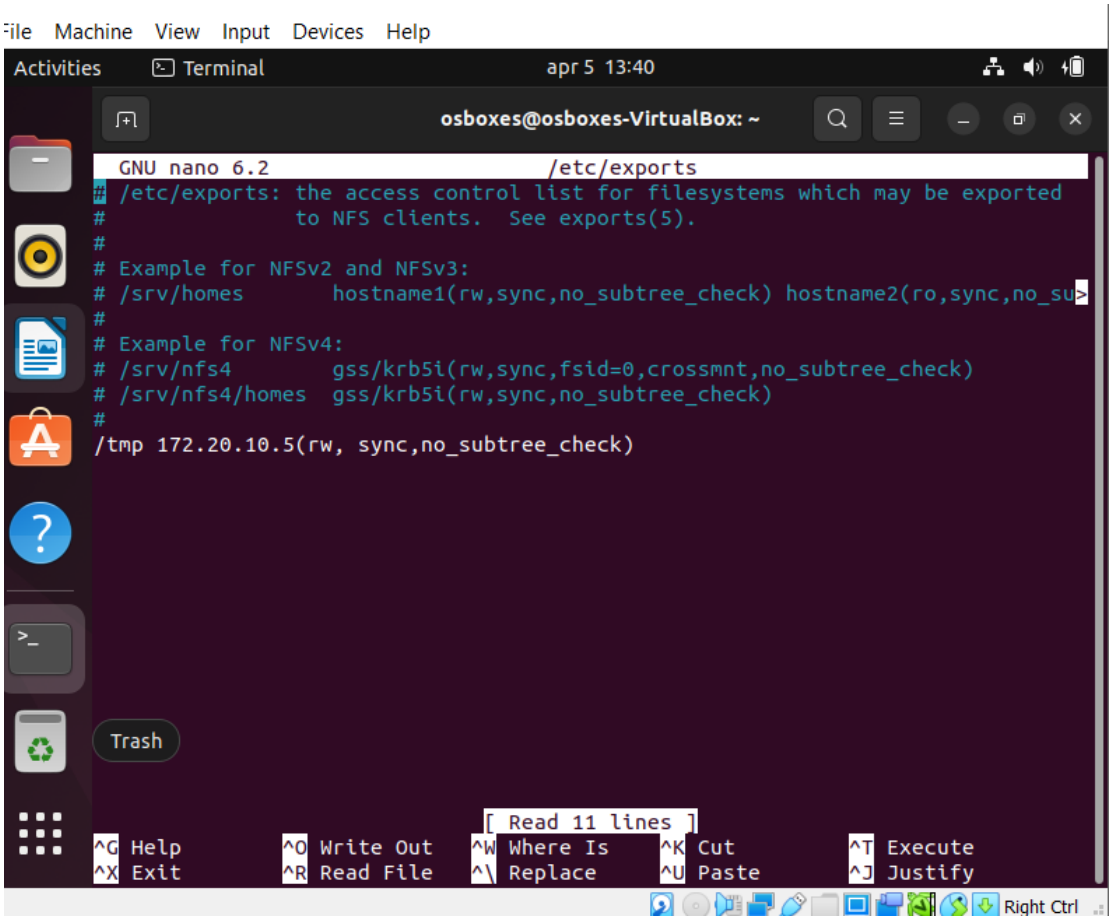


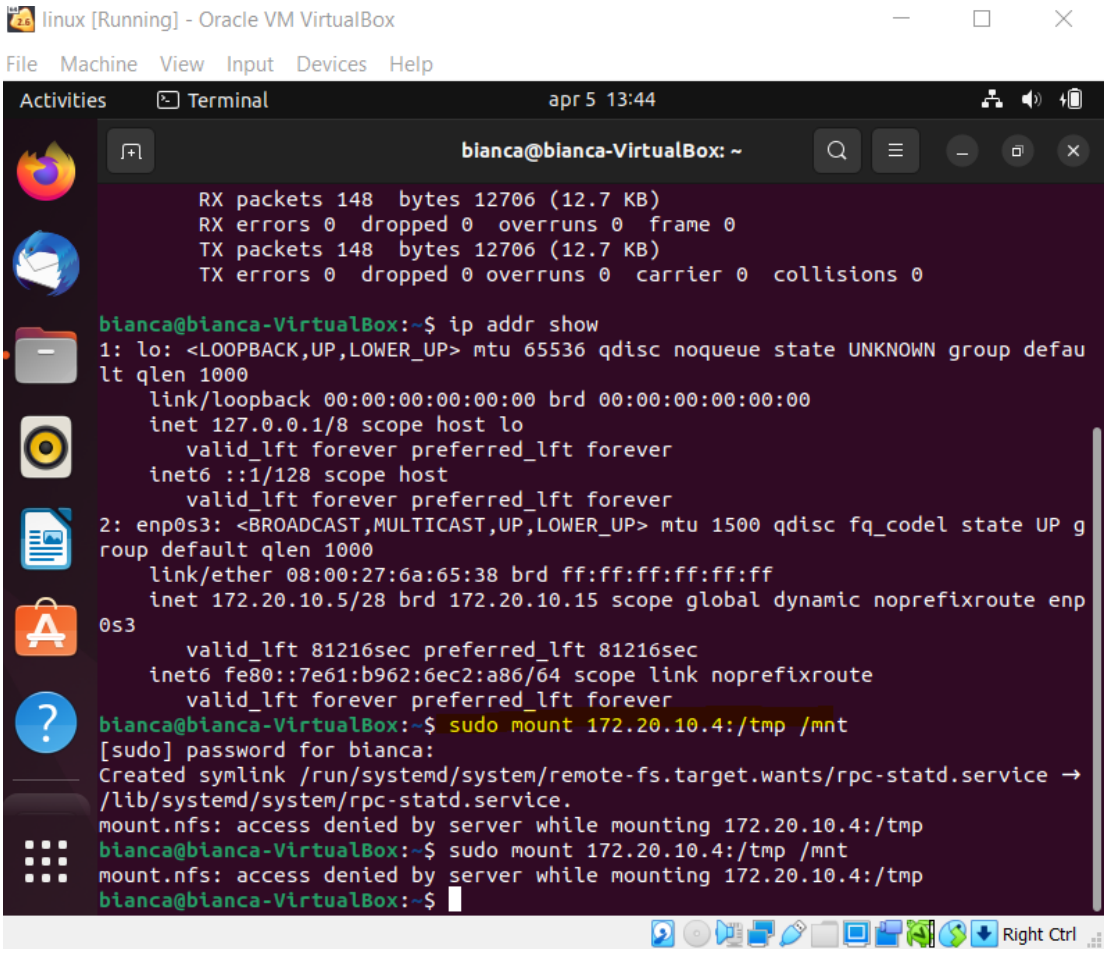
On the 2nd VM(server) I installed the nfs-kerner-server.

Then in order to share the files I edited the /etc/exports files with: /tmp 1st-virtualbox-ip-addr(rw, sync, no_subtree_check), rw are the read write rights, synchronous writes and without subtree checking.



I saved it and restarted the nfs server to save the changes.

After that I went on the first machine and tried to mount the share with the following command(highlighted with yellow):



I had an access denied error so I went to the other machine again and tried to check why I have this error:

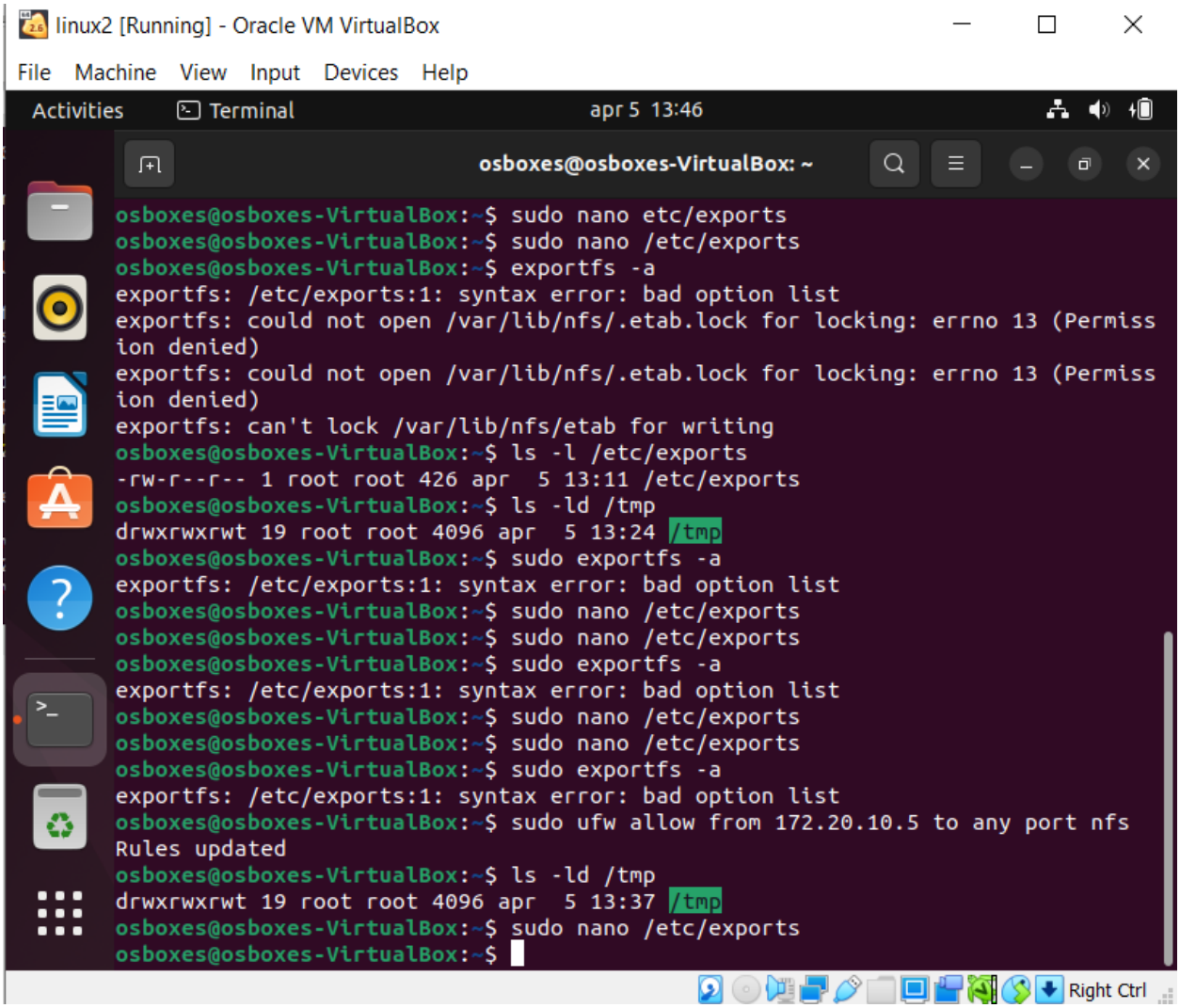
-I checked the /etc/exports file such that it would have my modifications and that the /tmp directory is properly exported in the NFS server

- I tried to export it with “’sudo exportfs -a” , which allows the NFS server to access and modify the exports file and shared directory, but I has some error here: “bad option list”

-I checked the permissions on the shared directory with “ ls -ld /tmp” and it was fine.

- I also mde sure that the firewall on the NFS server is properly configured to allow incoming traffic on the NFS ports: “sudo ufw allow from <client-ip> to any port nfs”

All the commands are in the following screenshot:



I checked the IP addresses using “ipconfig” and “ip addr show” so that was not a problem.

Yet now, I think that after mounting the shared folders from the 2nd VM, the /tmp directory will have read-write access, while the /tmp/14a directory will only have read rights, because the /tmp folder was shared with read-write rights, so it inherited this permissions. But the /tmp/14 would be shared with read-only rights, so it would have only read rights.

So any changes made to the files in the /tmp folder on the first VM will be reflected on the 2nd VM, as both have read-write rights.

Any changes made to the files in the /tmp/14a folder on the first VM will not be reflected on the 2nd VM as the folder is mounted with read-only access. The first virtual machine can only reead files in /tmp/14a, but not modify them.

I forgot to mention that I also installed on the 1st VM “sudo apt install nfs-common”.