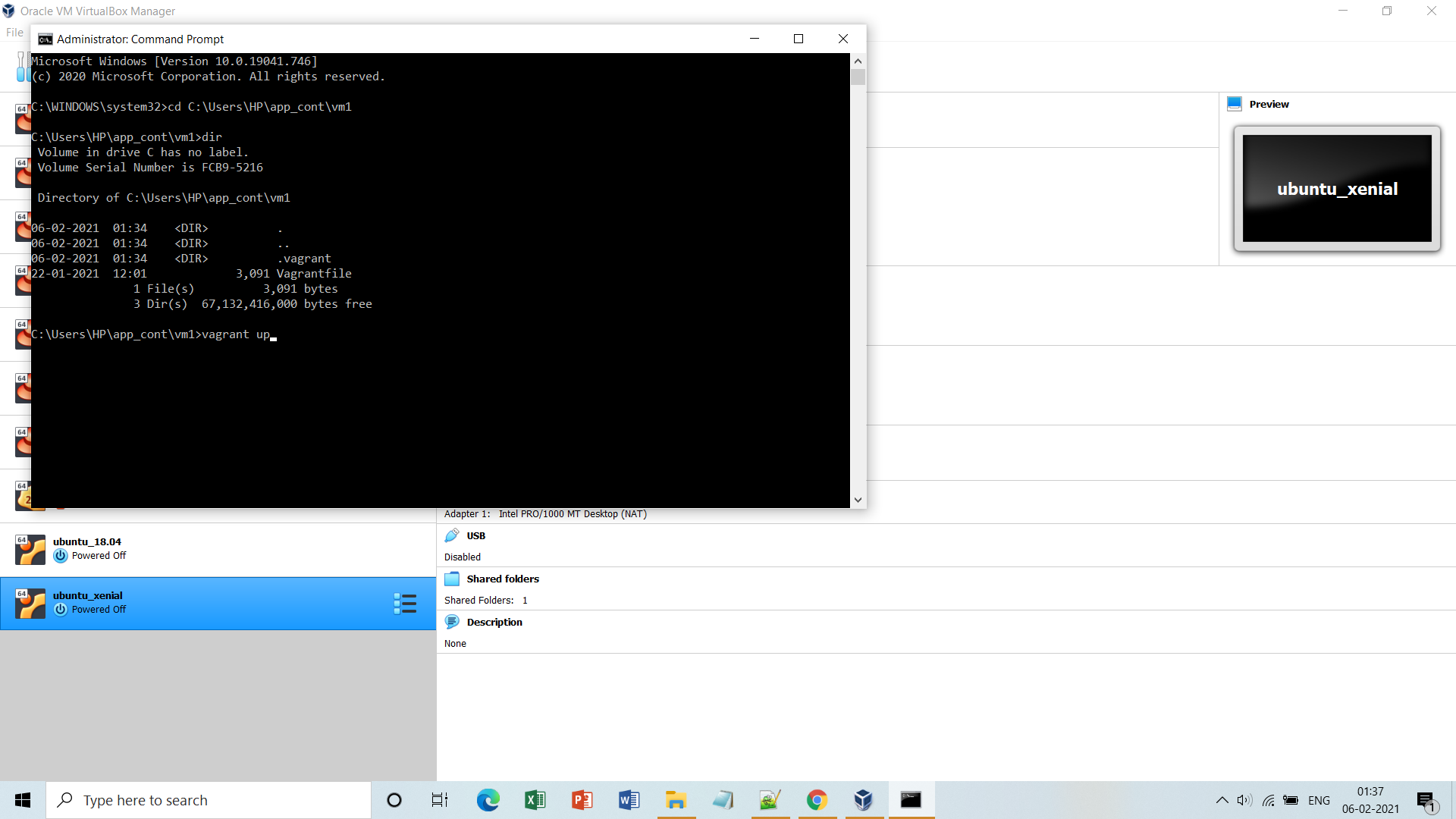
Experiment-2

**Aim:** To configure docker volume & it’s features.

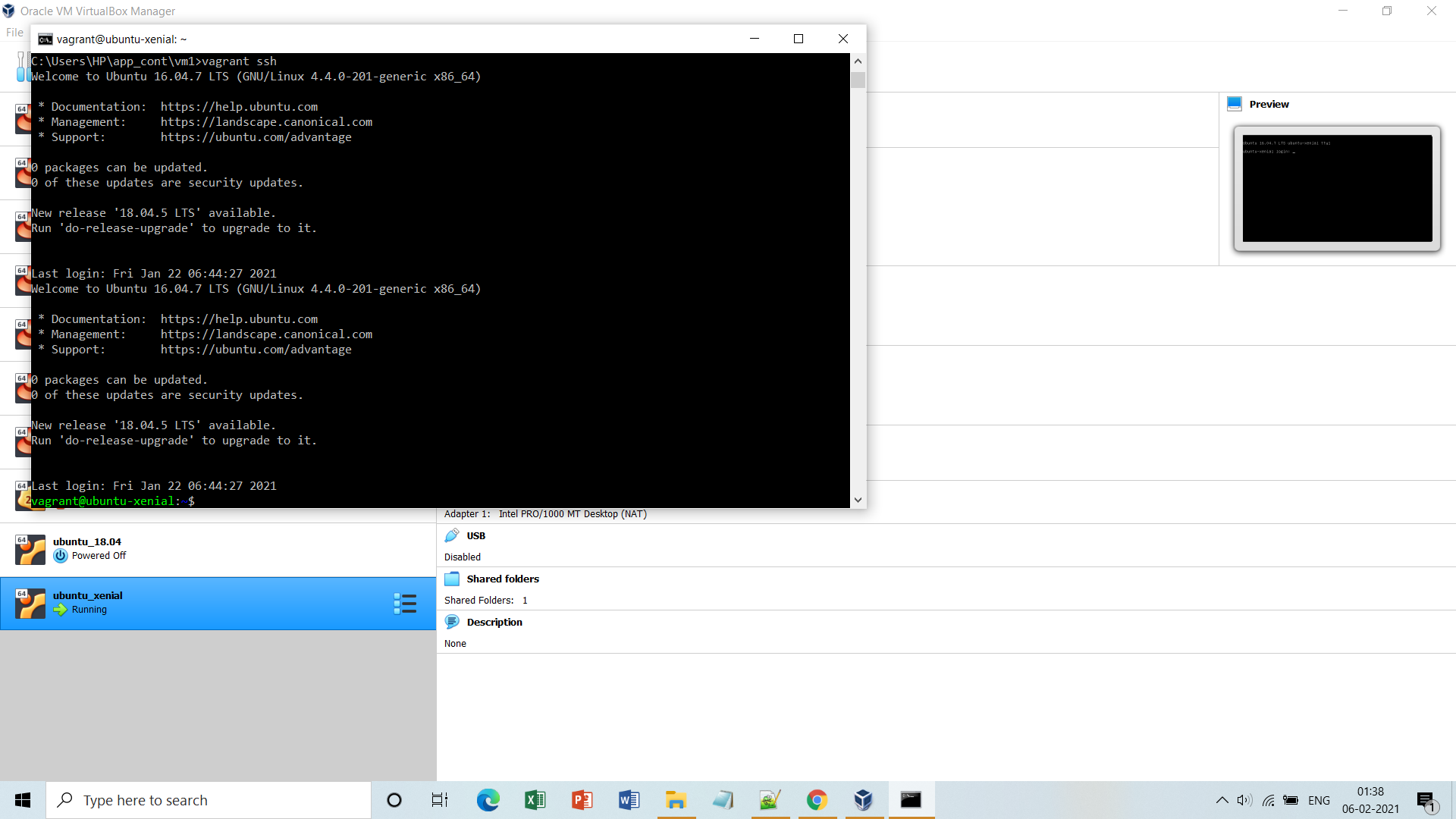
**Prerequisite:** Download and install docker on your VM.

**Now follow the steps under neath.**

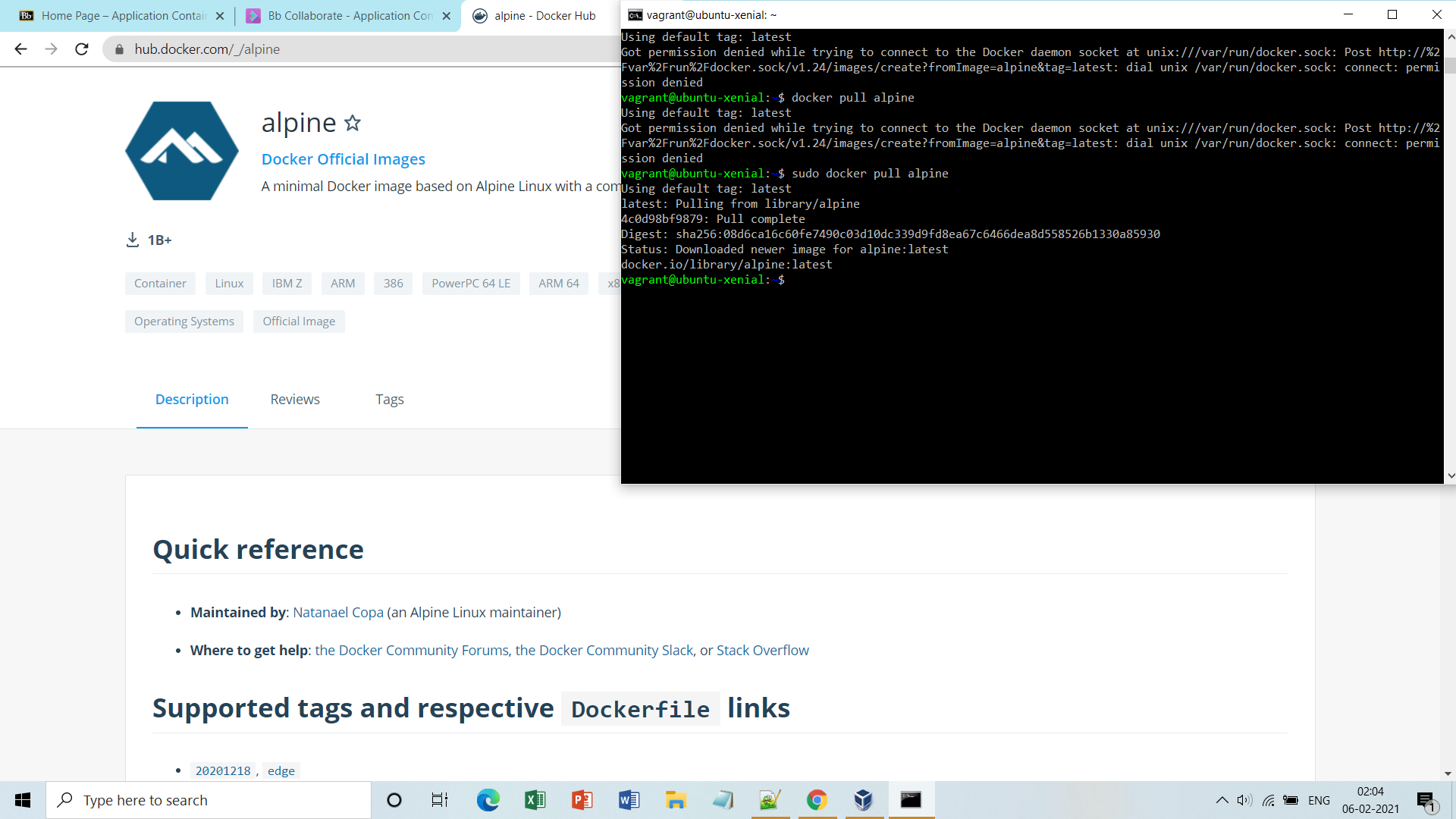
**Step1:** Go to command prompt and move to the directory where your vagrant file is there and run the **vagrant up** command.



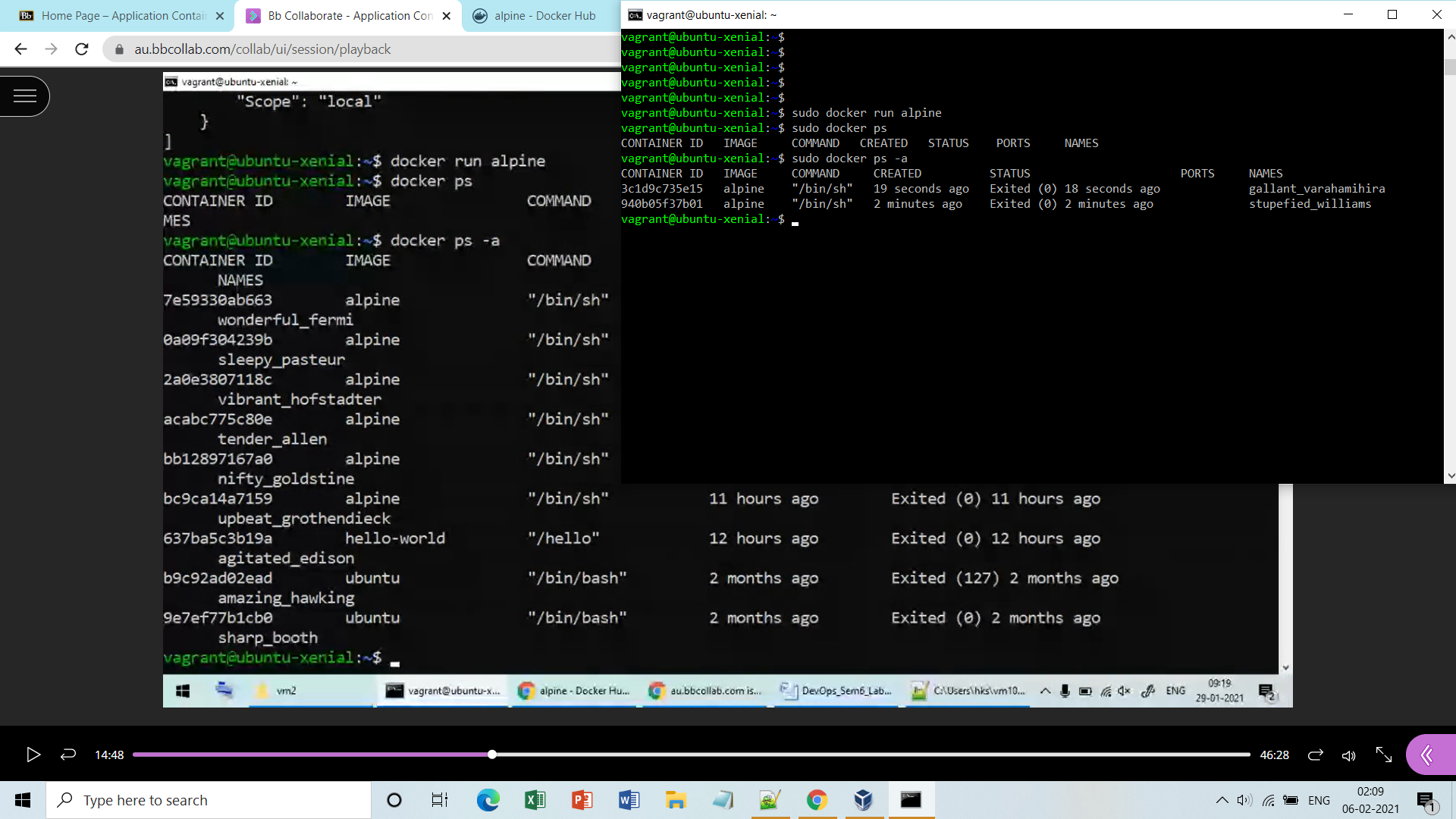
**Step2:** Run **vagrant ssh** command and enter into the terminal of your VM.



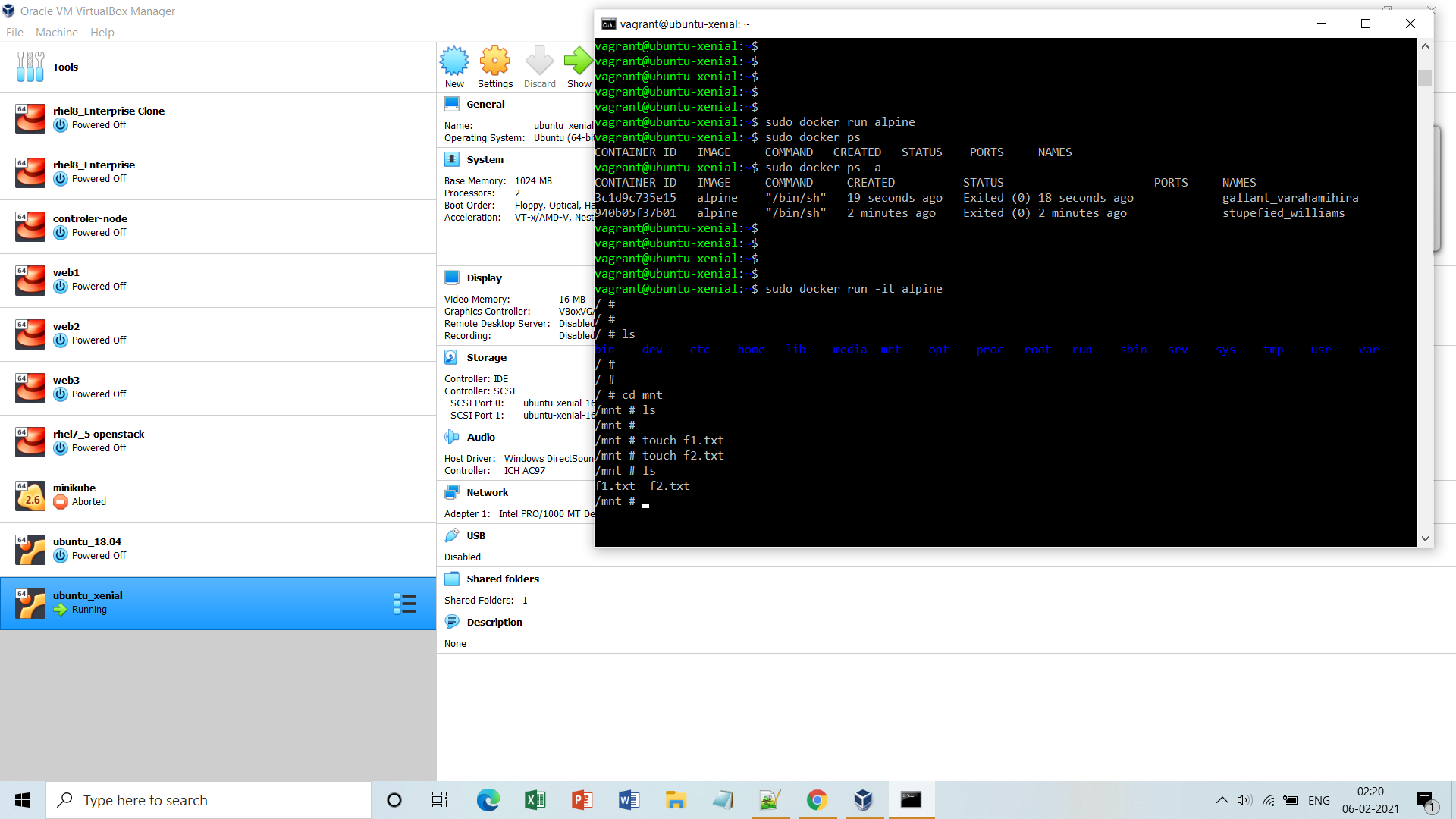
**Step3:** Make a docker container of **alpine image** or any of your choice.



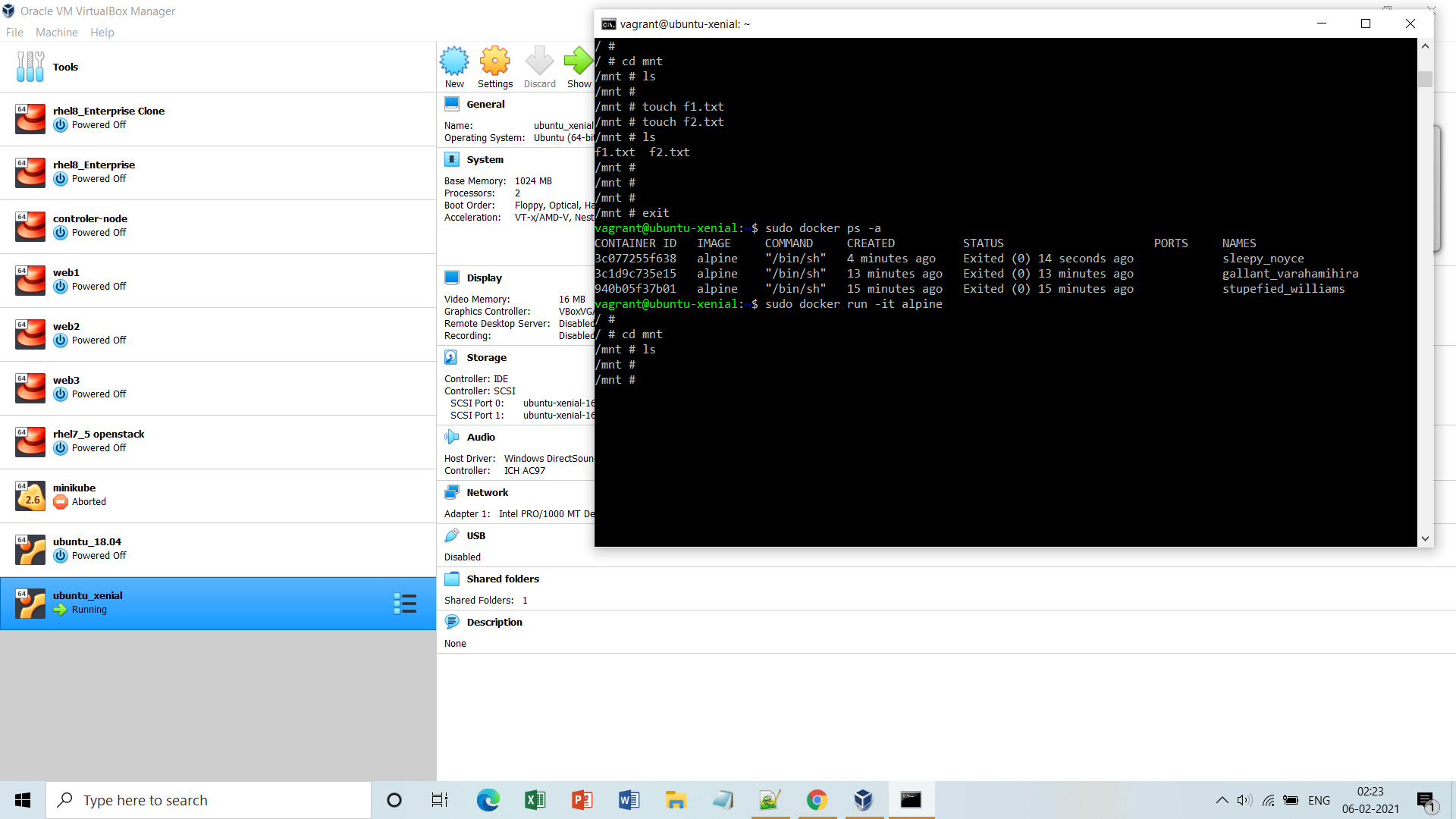
**Step4:** Just to check run the container and list them via **docker ps**(running) or **docker ps –a**(all) command.

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**Step5:** Enter into it’s terminal, move to **mnt** directory, make some files here and list them.

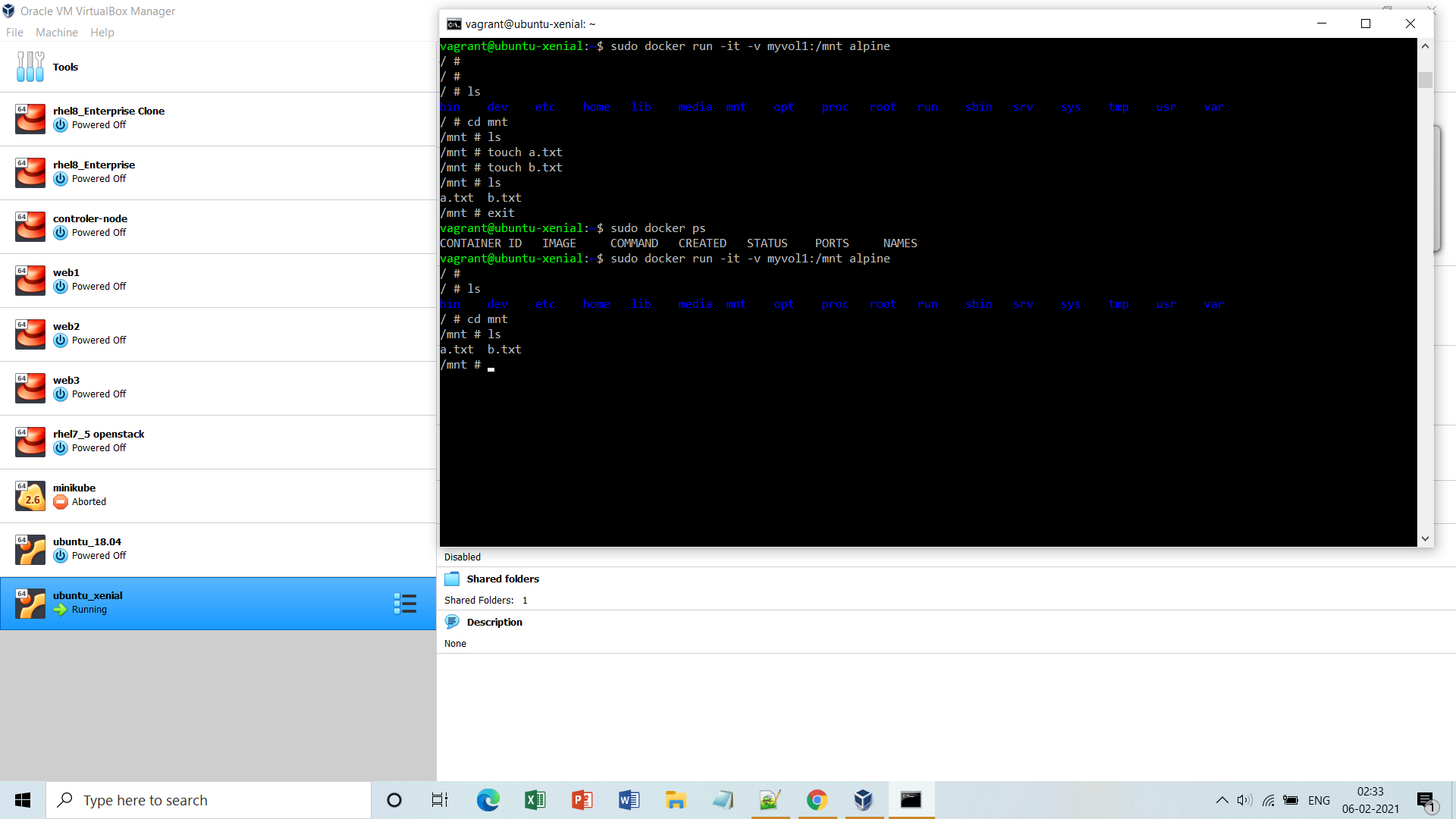


**Step6:** Now the moment you exit from the container the files are gone because they are not stored in **persistent volume**(docker volume).

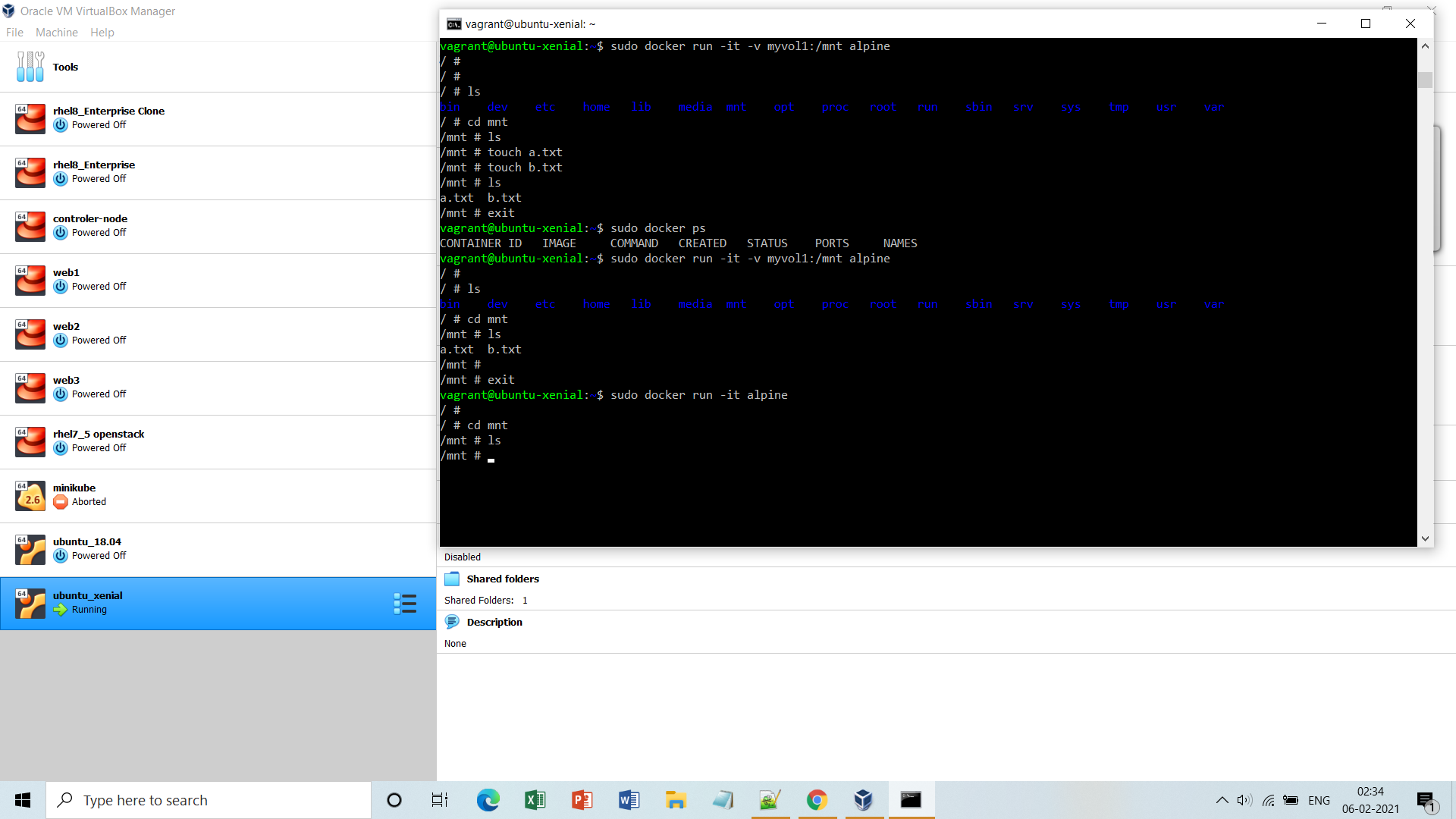


kdc

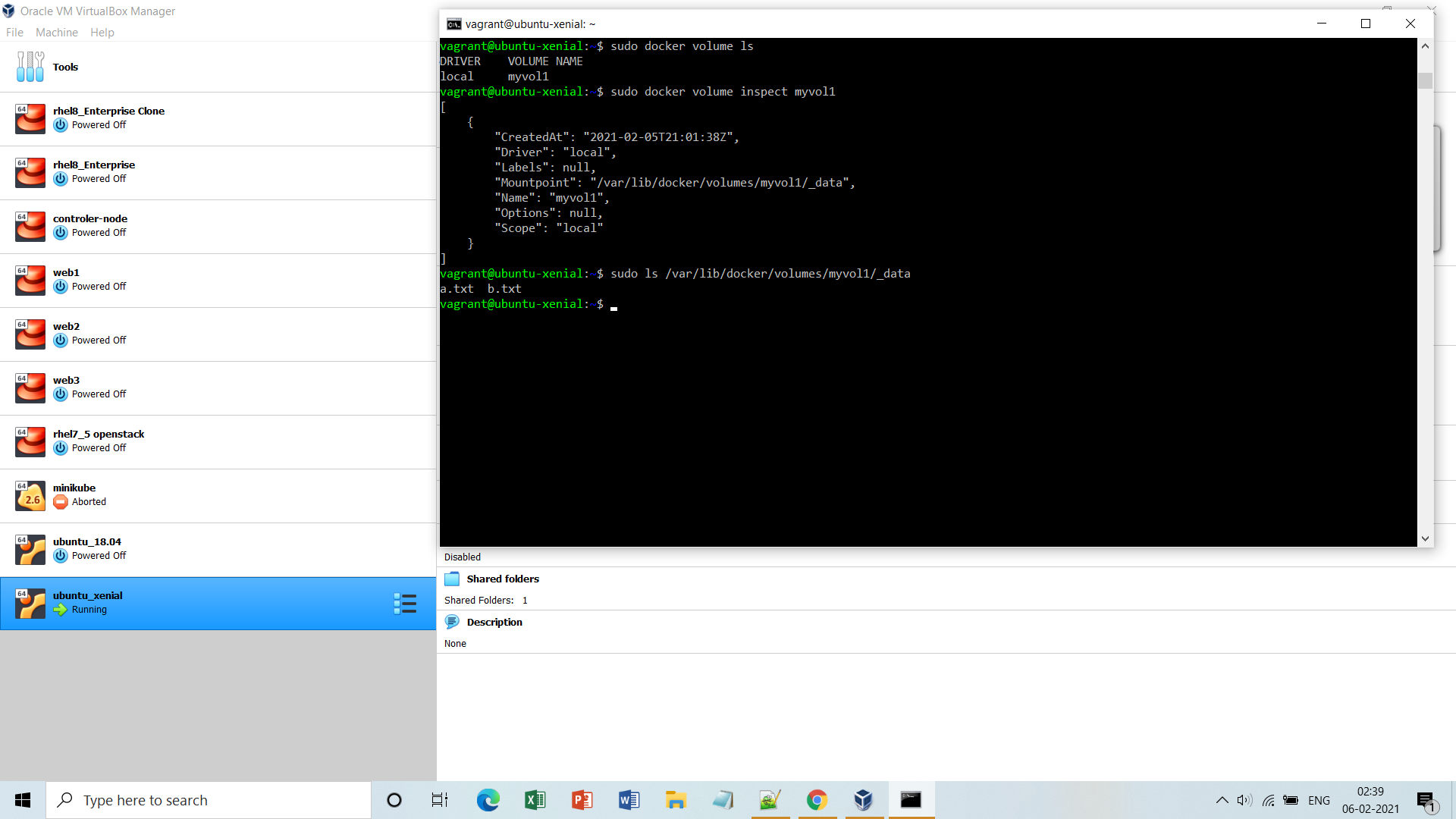
**Step7:** Now create a **docker volume**(eg. Myvol1) and map it to the mnt folder or any your root VM while running the container. And then again make some files under it , exit from container and if you again enter into it, you would still find those files as they are stored into a persistent volume(eg. myvol1).



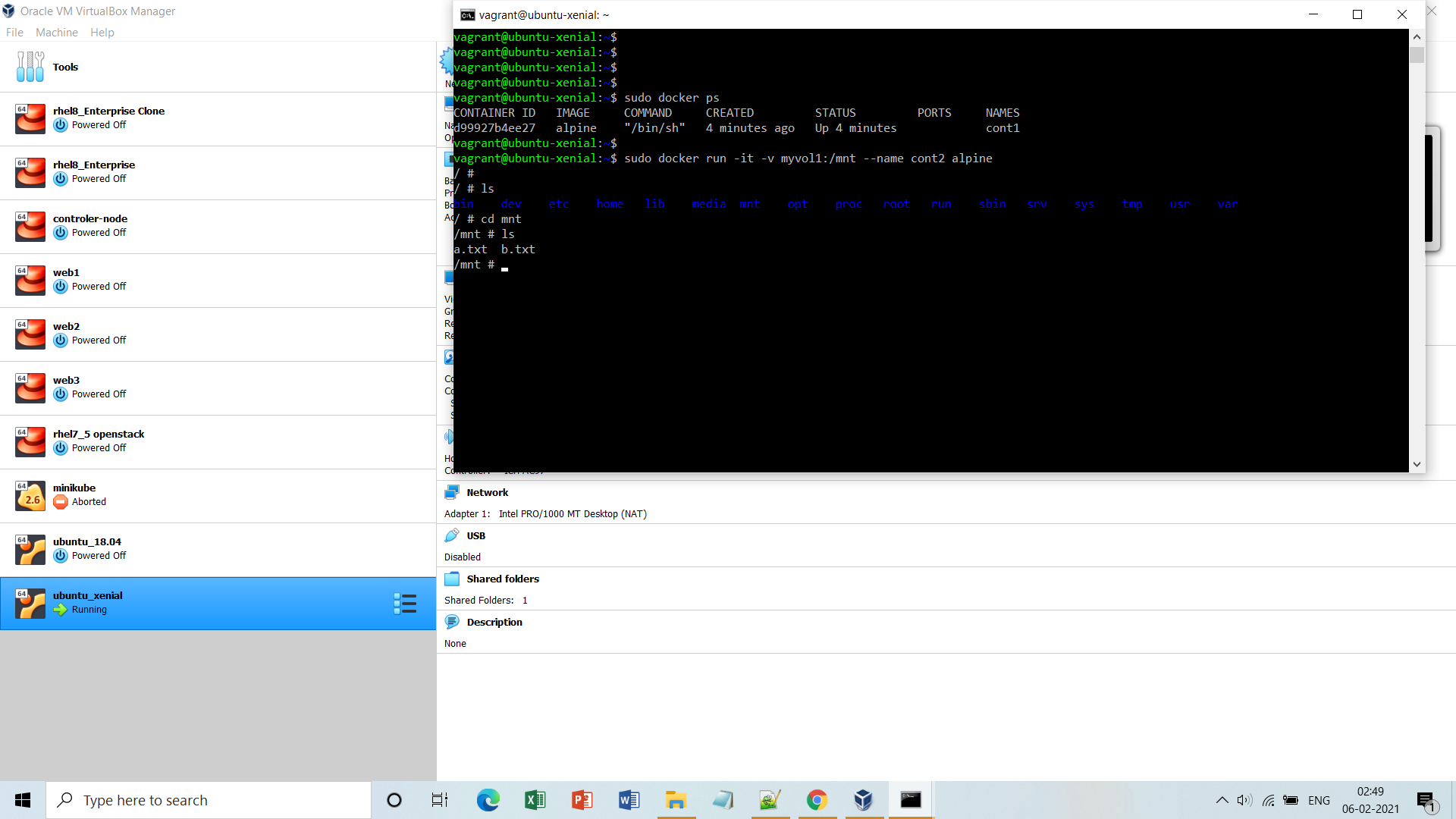
**Note:-** If you run the container without mapping it to the volume you will not find those files under mnt folder even if the volume is created.



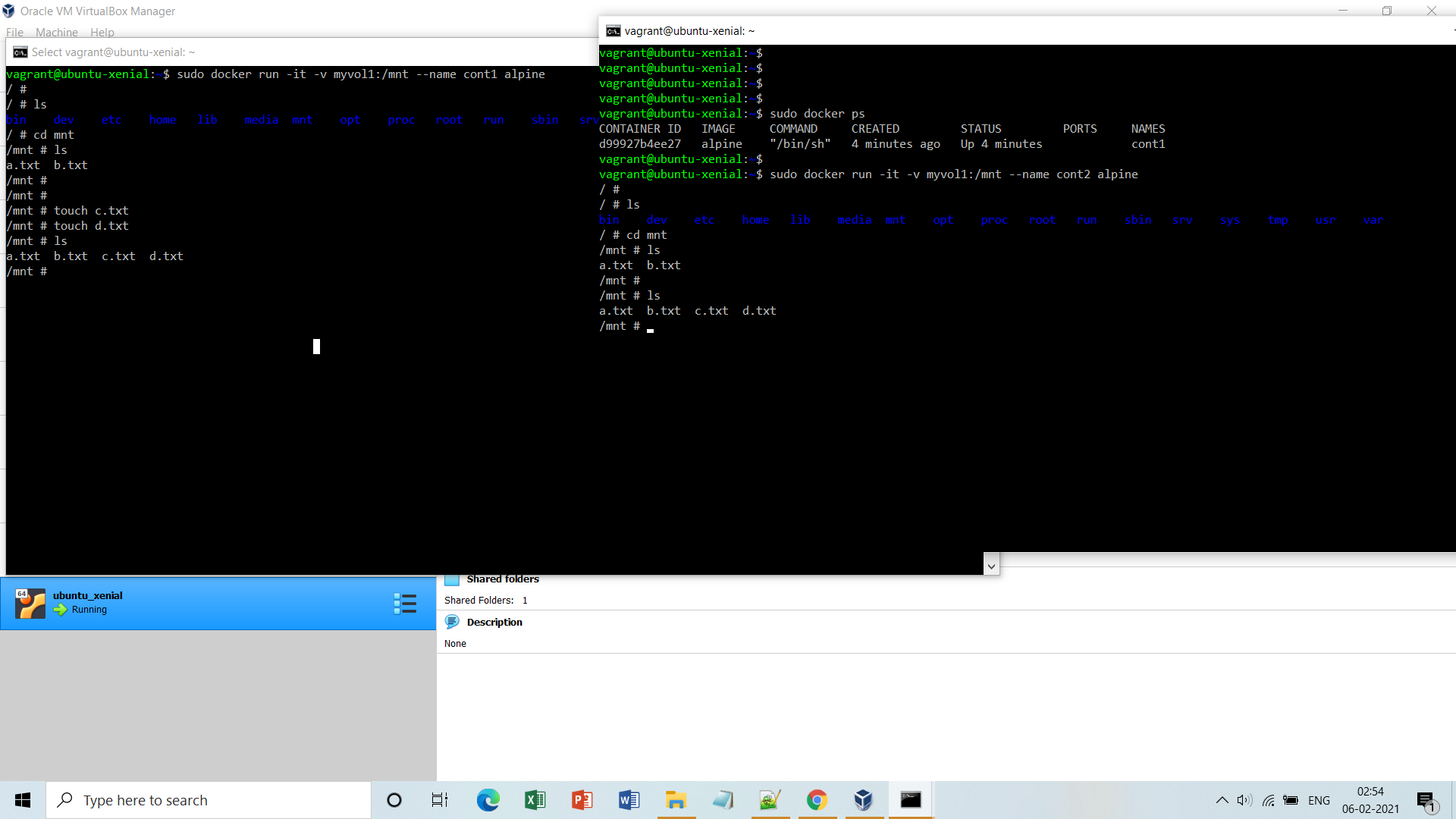
**Step8:** Now inspect the volume and locate the files inside it.



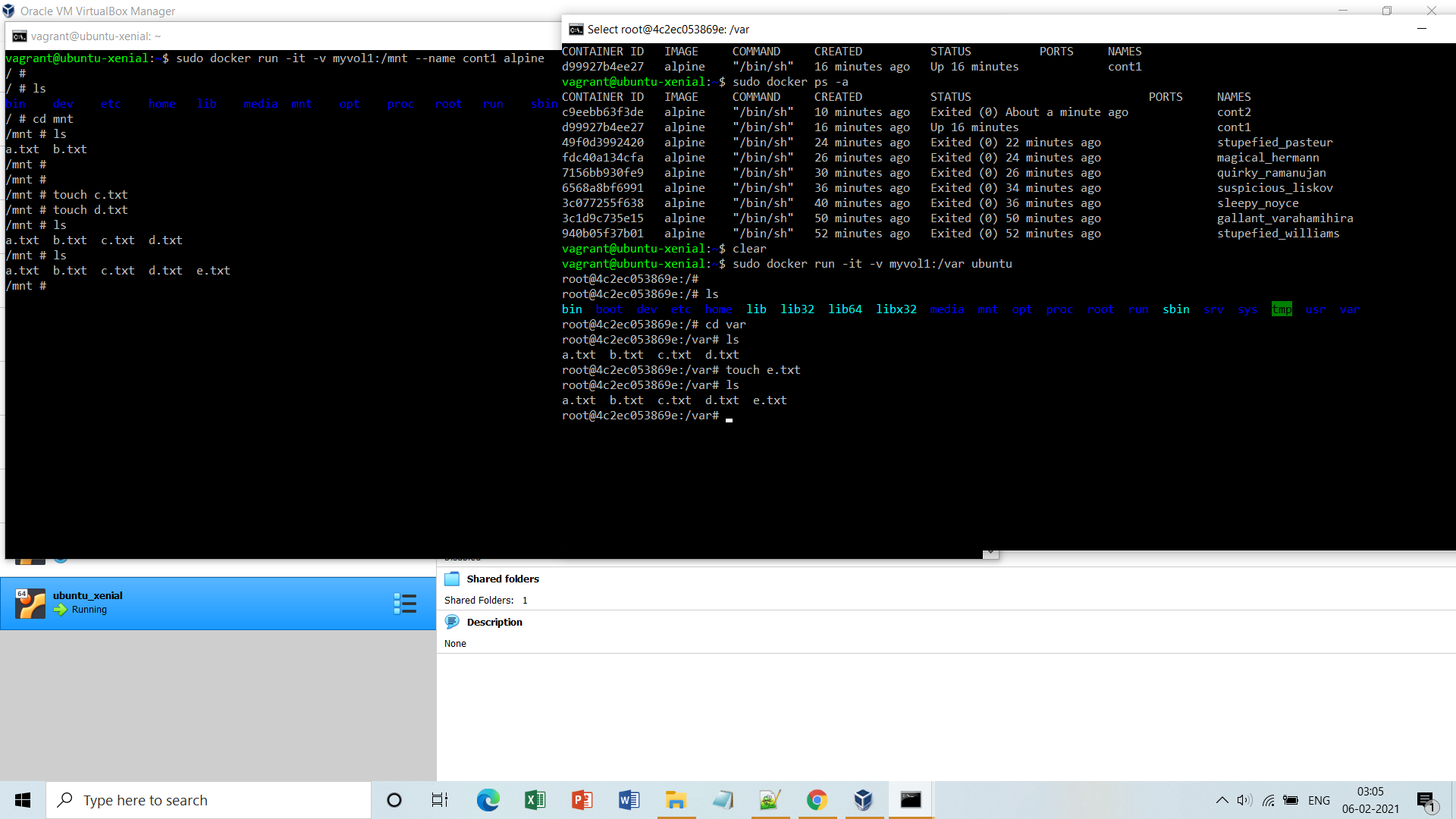
**Step9:** You can map the already created volume to multiple containers and they all will have the same content as they **sync** to each other.(b/w volume-container)



**Step10:** Now add some more files inside the sme mnt folder under **cont1** and it will be reflected in **cont2** also.(b/w container-container)

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**Step11:** You can map the **existing volume** to any other folder also and still it will have all the content.



**Step12:** Now in order to delete the existing volume you need to remove all the container attached to it and the remove finally.

