Practical Exercise 5-2: Managing Groups from the CLI

This Practical Exercise will take students through creating groups, moving users into groups removing users from groups and deleting groups.

Open VirtualBox and start the openSUSE VM. Run snapshot 9-1 for the correctly configured environment. To run snapshot 9-1:
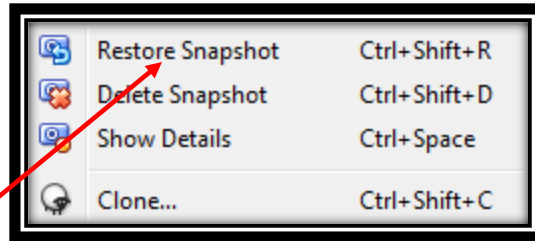
1. Open the Oracle VM VirtualBox manager by double clicking this icon on your desktop:
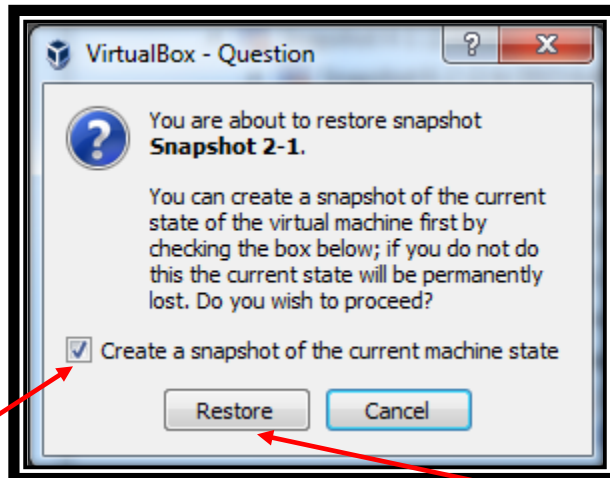

2. Click "Snapshots" in the top right of the Oracle VM Virtualbox Manager.


3. In the right side box populated with snapshots scroll up and find the one titled "Snapshot 2-1" and right click on it. The following box should appear:

4. Select "Restore Snapshot" and the following pop-up should appear:

5. Uncheck the "Create a Snapshot of the current machine state" box and then click the "Restore" button.

6. You should now see in the left box the openSUSE (Snapshot 2-1) with a status of "Powered Off." Power it on by double clicking it.
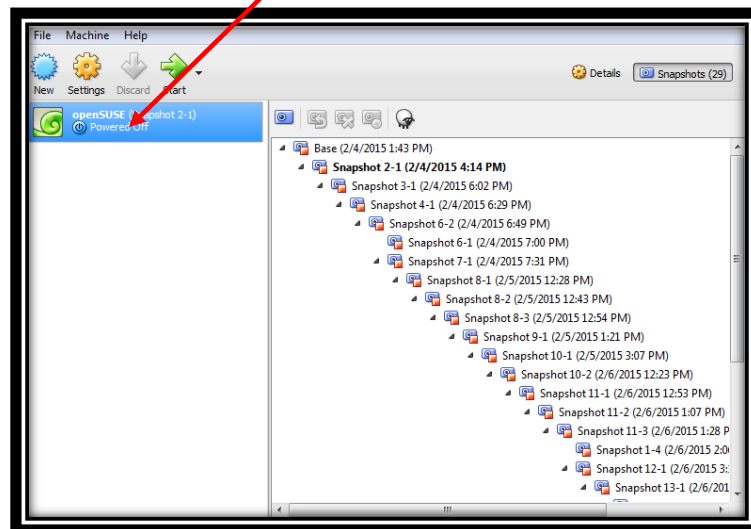
7. A separate window should open and you should see the openSUSE Linux OS booting.

8. (If not already at the command line shell.) Press CTRL+ALT+F1 to bring up the command line shell.

9. At your login prompt, authenticate to the system as the user: **root** and password: **student**.

10. Create a new group named research by doing the following:

   a. At the shell prompt, enter **groupadd research**.

   b. Add the dtracy user account (created in the previous exercise) to the research group by entering **usermod –a -G research dtracy** at the shell prompt.

   c. Verify that dtracy was added to the group by entering **tail /etc/group** at the shell prompt. You should see the following:

       i. research:x:1000:dtracy

   d. Add your user account (also created in the last exercise) to the research group by entering **usermod -a -G research your_username** at the shell prompt.

   e. Verify that your account was added to the group by entering **tail /etc/group** at the shell prompt. You should see the following:

       i. research:x:1000:dtracy,your_username

11. Now that we have added two users to the research group, let's remove dtracy from the research group. Enter **gpassword -d dtracy research** at the command prompt. The shell should have stated "Removing user dtracy from group research." Verify by entering **tail /etc/group** and you should see the following:

   a.   research:x:1000:your_username

12. Enter **vi /etc/group** and arrow down to the bottom. You should see the research group with your_username still assigned to it. You could edit this file and remove your_username, write and quit and it would carry out the same task carried out in step 11. You could add an account to it and it would be accomplish the task completed in 10b. All

the commands done in this PE are modifying this file. Enter a colon (**:**) and the enter a **q** to quit vi.

13. We no longer need this research group so let's delete it. Enter **groupdel research** at the command prompt. Verify the research group was deleted by entering **tail /etc/group**. The research group should no longer be listed. You can do a **cat /etc/group | more** and verify that the research group is gone as well.

--End of Practical Exercise--