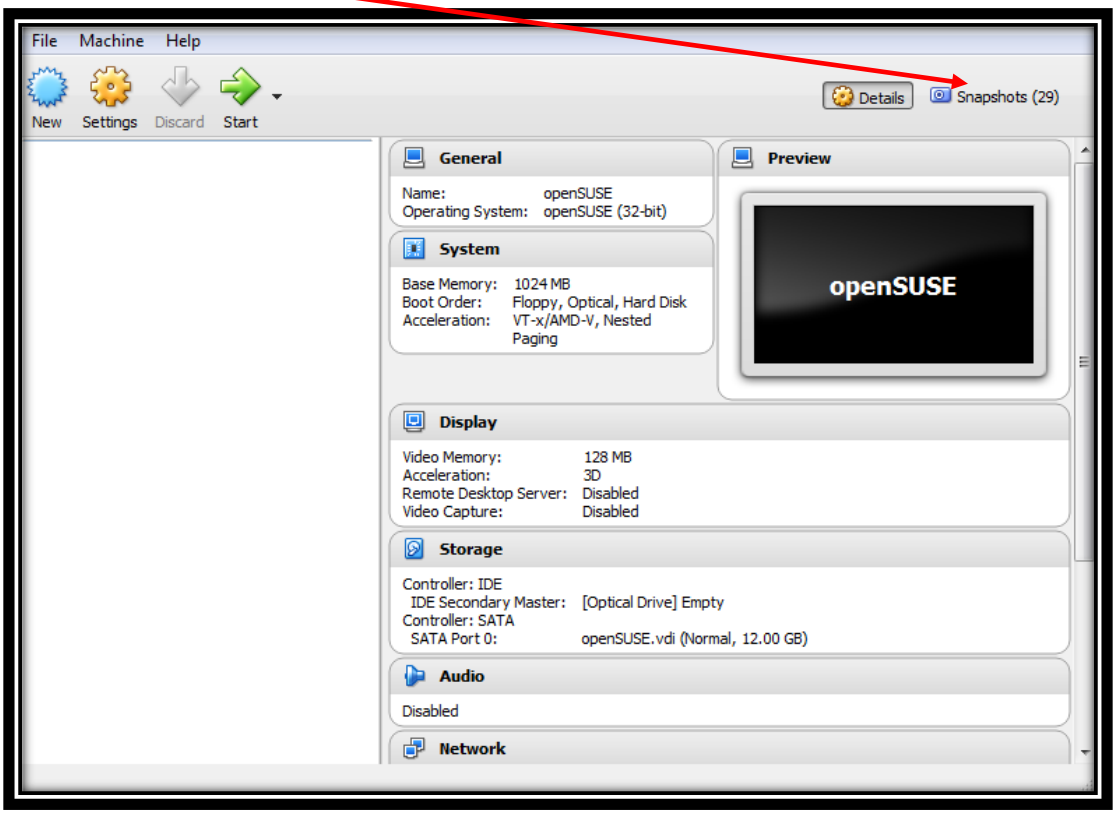
Practical Exercise 7-3: Managing RPM Packages

This Practical Exercise will take students through the process of using the rpm utility to identify dependencies for packages.

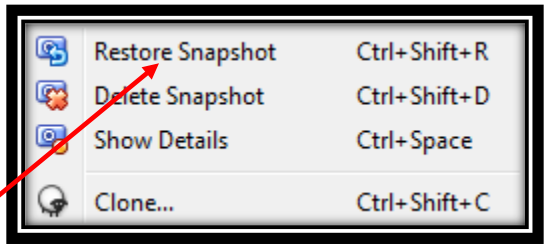
Open VirtualBox and start the openSUSE VM. Run snapshot 8-3 for the correctly configured environment. To run snapshot 8-3:

1. Open the Oracle VM VirtualBox manager by double clicking this icon on your desktop:

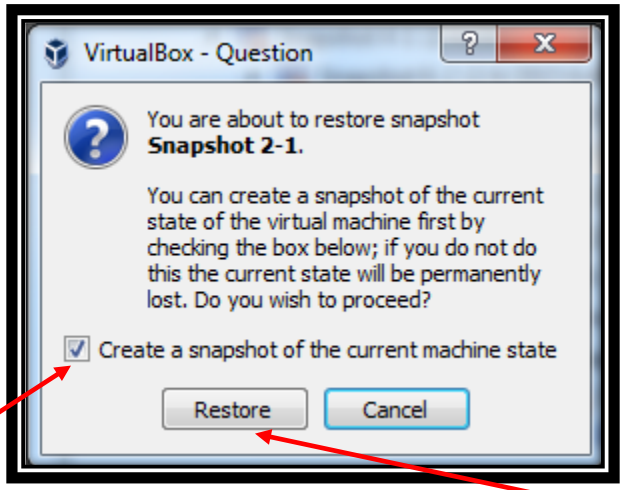
2. Click "Snapshots" in the top right of the Oracle VM Virtualbox Manager.



3. In the right side box populated with snapshots scroll up and find the one titled "Snapshot 8-3" and right click on it. The following box should appear:

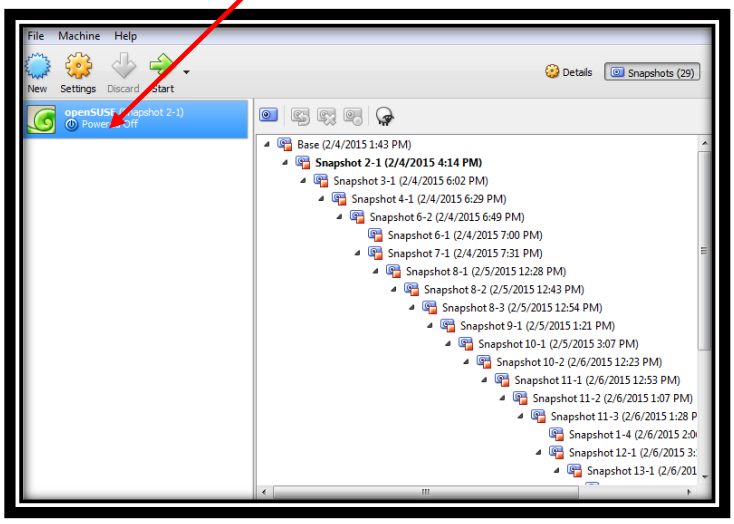


4. Select "Restore Snapshot" and the following pop-up should appear:



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 8-3) 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. Press **CTRL+ALT+F1** and login with the username: **root** and the password: **student**.

9. Let's look at all of the RPM packages on the system currently by entering **rpm -qa**.

10. View information about the rpm utility itself by entering **rpm -qi rpm**.

11. We can identify packages that require the rpm package by entering **rpm -q --whatrequires rpm**. What are some packages that require rpm?

12. We can identify the components required by the rpm utility by entering **rpm -q --requires rpm**. What is required by rpm?

13. One of the components required by rpm is libz.so.1. We can determine what package provides this component by entering **rpm -q --whatprovides libz.so.1**. What package provides this component?

--End of Practical Exercise--