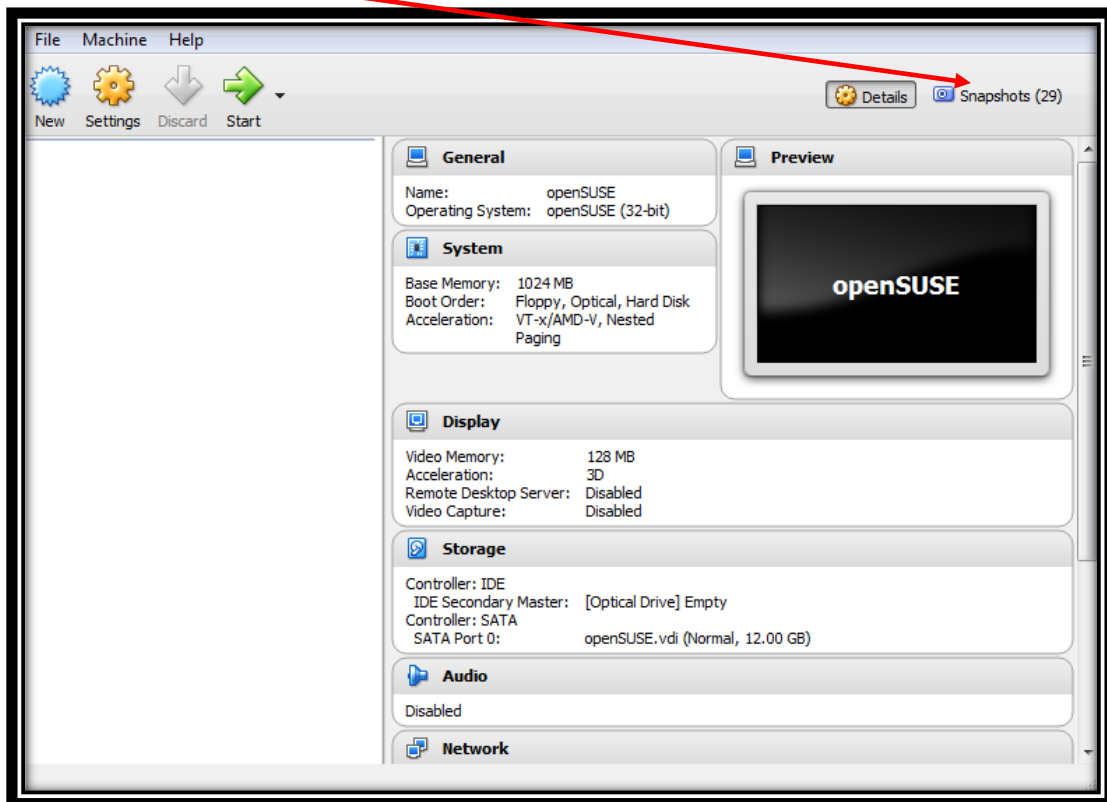# Practical exercise 3-1: Using the vi Editor

This Practical Exercise will take students through the initial use of the vi to include text file creation, text file modification, and operation of the modes (command, command-line and insert).

Open VirtualBox and start the openSUSE VM. Run snapshot 3-1 for the correctly configured environment. To run snapshot 3-1:
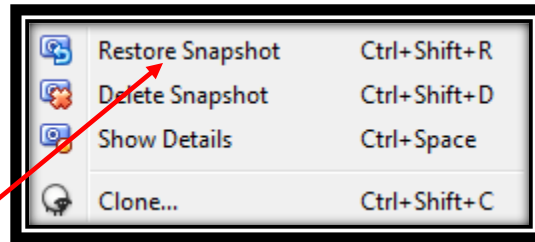
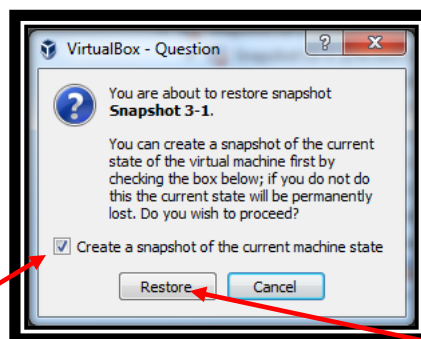1. Open the Oracle VM VirtualBox manager by double clicking this icon on your desktop:

2. Click "Snapshots" in the top right of the Oracle VM Virtualbox Manager.
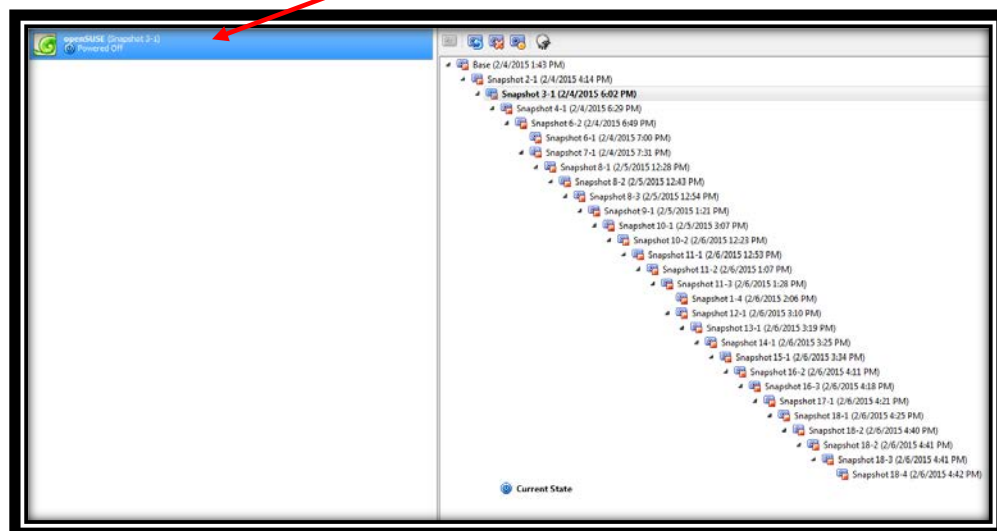
3. In the right side box populated with snapshots scroll up and find the one titled "Snapshot 3-1" and right click on it. The following box should appear:

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. If the pop up box does not have the check box, just click "Restore."

6. You should now see in the left box the openSUSE (Snapshot 3-1) 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. Log in as the user student with the password: **student**; then press CTRL+ALT+F1.

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

10. The current directory should be your user's home directory. You can check this by entering **pwd** at the shell prompt.

11. At the shell prompt, enter **vi test.txt**. The vi editor should run with test.txt open as a new file.

12. Press the **Insert** key on your keyboard. You should now be in insert mode.

13. Enter the following text in the file:

Usu agam legere delicata ut, per democritum scriptorem an. Necte zzril possim tincidunt, at qui probo mucius gubergren. Ea mei paulo cetero oportere, at pertinax liberavisse pri.

14. Save your file by completing the following:

  a. Press **esc** to return to command mode.

  b. Enter **:w**. You should see a message indicating that the file was written.

15. Exit vi by entering **:exit**.

16. Reload test.txt in vi by entering **vi test.txt** at the shell prompt.

17. Display the status line by pressing **ctrl-g** while in command mode.

18. Use the arrow keys to move the cursor to the beginning of the first word in the first line of the file.

19. Search for all occurrences of the text "at" by completing the following:

  a. While in command mode, enter **/at**. The first instance should be highlighted.
  b. Find the next instance by pressing the **n** key.

    c. Find the remaining instance by pressing **n** until you reach the end of the file.

20. Practice deleting text by doing the following:

    a. While in command mode, use the arrow keys to place the cursor on the first letter of the word legere.
    b. Delete the word legere and the space that follows it by pressing **dw**.
    c. Use the arrow keys to move the cursor to the period at the end of the last line.
    d. Put the contents of the memory buffer after the period by entering **p**.

21. Exit the file without saving your changes by entering :**q!**.

--End of Practical Exercise--