

Operating Systems – Exercise 1

Environment Setup

General Guidelines:

- This exercise must be done on your personal computer.
- Submit your answers in the course website only as a PDF.
- Place your name and ID at the top of the PDF you submit.

Part 0 - Install Ubuntu from the ready-to-use image:

1. Download the ready-to-use machine image from [here](#).
If you are unable to download the file with a web browser, please use an FTP client.
2. Download Oracle Virtual Box and install it.
<https://www.virtualbox.org/>
3. Open the Virtual Box Application, click on File -> Import Appliance.
4. Select the OVA file you've downloaded in section 1 and click on next and then import.
5. Machine credentials:
 - User name: Student
 - Password: 1111

Part 1 – Snapshots:

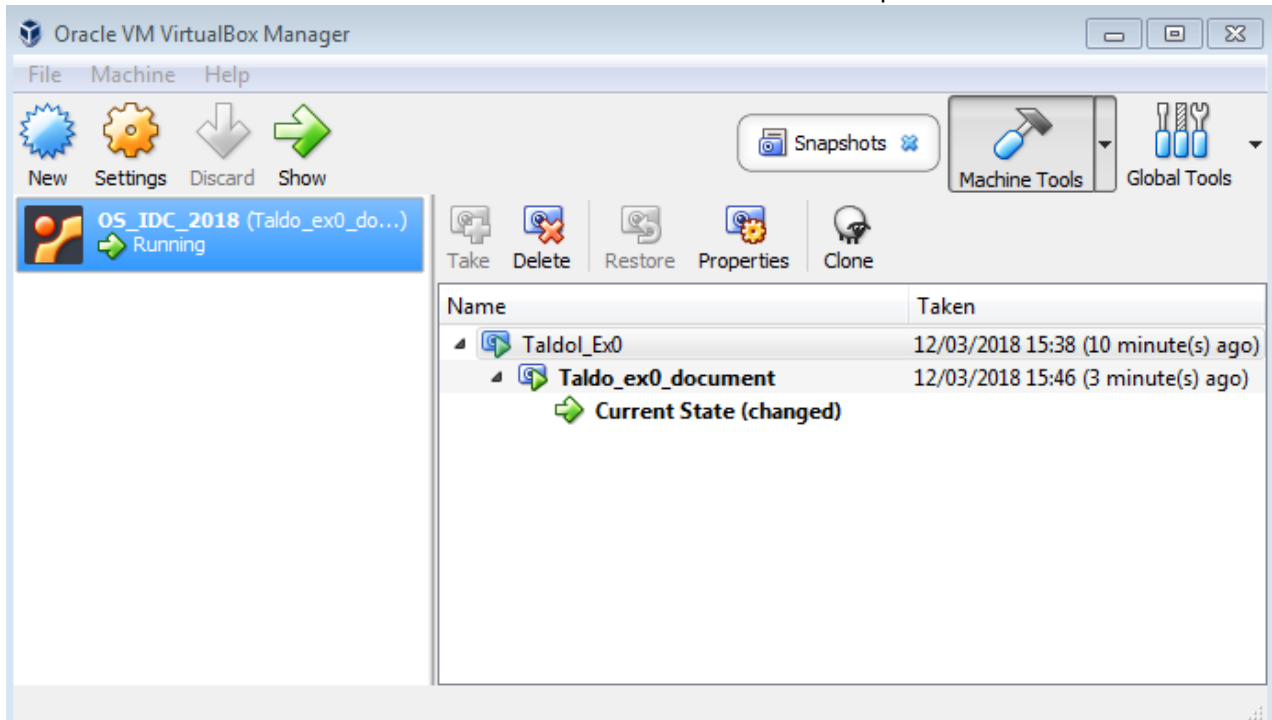
In this part you will experiment with VM snapshots, Snapshots are extremely useful when working with virtualization. For more information about the use of snapshots in virtual box, read the following link:
<https://www.techrepublic.com/article/how-to-use-snapshots-in-virtualbox/>

Please follow the instructions below (in the same order they are written):

Taking snapshots:

1. Login to the VM you have created in part 0.
2. At the top menu-bar select: Machine > Take Snapshot.
3. In the snapshot name type "<your name>_ex0" and click ok.
4. Create an empty document on the Documents folder.
5. At the top menu-bar select: Machine > Take Snapshot.
6. In the snapshot name type "<your name>_ex0_document".
7. In Virtual Box, click on Machine Tools > Snapshots.

8. Take a screen shot of the current screen and save it for submission. Example:



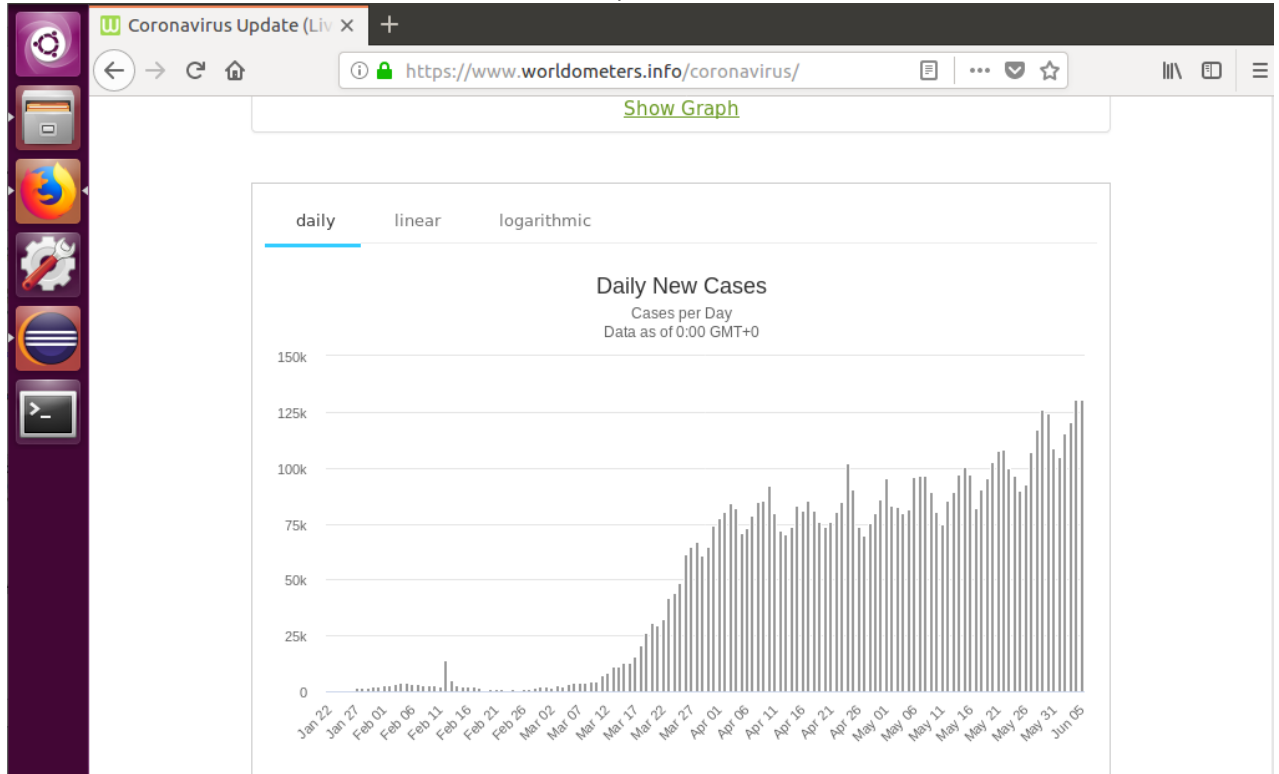
9. Power off the VM.
10. Right click on the first Snapshot you have taken and click on Restore.
11. Start the VM and login again.
12. See that the previously empty document was deleted.
13. Power off the VM.
14. Delete the "<your name>_ex0_document" snapshot.

Part 2 – Surf the internet:

The purpose of this part is surf the internet using Firefox browser on the virtual machine.

1. Login to the VM you have created in part 0.
2. Open Firefox web browser.
3. Search for 'coronavirus data', select <https://www.worldometers.info/coronavirus/>

4. Take a screenshot and save it for submission. Example:



You should submit both screenshots that you have created as a PDF file with your name and Id as stated in the general guidelines.

Good luck.