Installation of Elementary OS

1. Copy your “elementary.xxxx.iso” file onto the local HD-drive from your storage media.
2. Get the lab system specs:

- Memory size

- Processor specs: speed, cores, and threads.

- Disk capacity and free space

3. Name your installation elementary-Loki, choose Linux, Ubuntu 64bit
4. set memory to 4-GiB (4096-MiB)
5. Select: Create a virtual hard disk now and set it to **fixed** @ 40-GB (VDI)
6. Display: Max the Display memory cache (128MB)
7. System: Motherboard should only use the optical and hard drive for boot. Move the Floppy to the bottom of the list. Place the hard-drive first.
8. System: Processor. Set to 2 of 4 cores.
9. System: Acceleration enable VT-x or VT-d (virtual technology)
10. Storage: Controller: IDE -> Empty (optical disk icon). Then choose the far right optical-disk-icon dropdown menu and select the:

    Choose Virtual Optical Disk File

    Then select your “elementary.xxxx.iso” file

11. Network: Adapter 1, Check the Enable Network Adapter with NAT (this is the default setting).
12. There will be an Elementary-Loki icon appearing in the Virtual Box Manager panel. Select the Start icon (green arrow) to begin the installation.
13. When installing the OS, go ahead and select the box for downloading updates while installing the OS. When this works, it simplifies the installation.
14. Choose a user-ID and password (at least 8 chars)
15. After installation, we will open the Terminal application and do the required system updates, … From the terminal, type: “uname –a” and record the kernel version:

16. You can use the updates application to update all, or
    a. sudo apt-get update , then
    b. sudo apt-get dist-upgrade
17. Reboot

Installing Guest Additions:

18. Login, start the Terminal application, then, …
19. sudo apt-get install xserver-xorg-core
20. sudo apt-get install xserver-xorg-input-evdev
21. sudo apt-get install virtualbox-guest-x11
22. sudo VBoxClient - -clipboard (<-double dash)

    Go to the Oracle VBox Manager panel and select General-> advanced -> Shared Clipboard, select bidirectional

    Reboot

    sudo apt-get install virtualbox-guest-dkms

    Reboot

    The clipboard works between the host and guest! Test and confirm it works between the guest and host.

23. Now we want to create a shared folder. Go to the Oracle VBox Manager panel and select Settings-> Shared Folders , select the folder icon on the far right with the green plus symbol.

    From the Folder Path dialog box, select the Downloads folder on your host system. Select AutoMount and Make Perm.

24. Reboot

25. Start a terminal session on the guest, and navigate to the /media folder: cd /media <enter>
    Verify there is a folder named sf_Downloads by typing: ls <enter>

26. Do this: sudo usermod -G vboxsf -a yourUserID
27. Logout
28. Login
29. Navigate to the /media/sf_Downloads You now can share the Downloads folder with the host and guest! Test it and verify you can share files between the guest and host.

Install your favorite Web-Browser:

Gdeb is required for installing Opera web browser.

30. sudo apt-get install gdebi-core <- this is needed for my favorite web browser, Opera
31. re-boot

32. Download the opera installation file opera-stable_..amd64.deb
33. sudo gdebi opera-stable_...amd64.deb

Check your new browser and confirm it works from the guest.

To add Java repositories:

34. sudo apt install software-properties-common
    sudo add-apt-repository ppa:webupd8team/java
    sudo apt-get update
    sudo apt-get install oracle-java8-set-default

Bloatware Cleanup:

Research on-line.

Install Anti-Malware:

ClamAV (Clam Avast): Use the AppCenter to install