**LINUX EXERCISE (LAB 05)**

Exercise 1. Install FileZilla (CentOS **or** Ubuntu)

* + - 1. Create a **bin** and **depot** folder in root’s home directory.
      2. Create a software directory inside **depot**.
      3. Download the compressed FileZilla tarball from <http://filezilla-project.org/download.php> (FileZilla\_3.50.0\_x86\_64-linux-gnu.tar.bz2) to the desktop.
      4. Move the tarball from the desktop to the /root/depot/software/ directory.
      5. Change (cd) to the /root/depot/software directory
      6. Decompress the tarball (hint: Lesson 6 PowerPoint’s)
      7. Extract the tarball contents to software
      8. Browse the new FileZilla3 directory and locate the filezilla executable in the bin directory.
      9. Create a symbolic link named filezilla in your /root/bin directory to the filezilla executable.
      10. Is /root/bin in your path? (hint: use echo $PATH)
      11. Run filezilla (use & to run in background)
      12. Connect to a FTP server, with your username and password. For example: you can connect to [dlpuser@dlptest.com](mailto:dlpuser@dlptest.com) with the following account information
          1. Username: dlpuser@dlptest.com
          2. Password: eUj8GeW55SvYaswqUyDSm5v6N

Exercise 2. Install the compilers and kernel development packages using yum or apt depending on your distribution (Fedora or Debian).

1. Check whether gcc and kernel-devel are installed or not. Uninstall them if installed.
2. Install gcc and kernel-devel packages using yum or apt
3. Check installation using yum or apt

Exercise 3. Install wireshark using Package Manager GUI (CentOS or Ubuntu)

1. Run “Ubuntu Software” (or “Software” of CentOS) on GUI
2. Search for Wireshark and install it
3. Run it with wireshark (use & to run in background)

Exercise 4. (Optional) Install a program from the installation disk (CentOS)

1. Configure your VM’s CD to connect to the iso installation file (or put your physical disk to your optical reader)
2. Browse the content of installation disk, then find the directory containing extra packages. What is the path of that directory?
3. Is the wget program there? (hint: use ls and grep or use find)
4. Copy the wget installation file to your software directory.
5. Change to your software directory and check for new file
6. Try to install the wget software
7. Is it installed now? Please check it
8. Use wget command to download the file <https://cdn.kernel.org/pub/linux/kernel/v4.x/linux-4.17.2.tar.xz> and change its name to test.dat