

Activities Terminal 8 15:42

Lab 01: Installation of Lin x +

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Basic Linux Command.pdf Open with

10. **apt-get** — Use **apt** to work with packages in the Linux command line. Use **apt-get** to install packages. This requires root privileges, so use the **sudo** command with it. For example, if you want to install the text editor **jed** (as I mentioned earlier), we can type in the command “**sudo apt-get install jed**”. Similarly, any packages can be installed like this. It is good to update your repository each time you try to install a new package. You can do that by typing “**sudo apt-get update**”. You can upgrade the system by typing “**sudo apt-get upgrade**”. We can also upgrade the distro by typing “**sudo apt-get dist-upgrade**”. The command “**apt-cache search**” is used to search for a package. If you want to search for one, you can type in “**apt-cache search jed**”(this doesn't require root).

11. **chmod** — Use **chmod** to make a file executable and to change the permissions granted to it in Linux. Imagine you have a python code named **numbers.py** in your computer. You'll need to run “**python numbers.py**” every time you need to run it. Instead of that, when you make it executable, you'll just need to run “**numbers.py**” in the terminal to run the file. To make a file executable, you can use the command “**chmod +x numbers.py**” in this case. You can use “**chmod 755 numbers.py**” to give it root permissions or “**sudo chmod +x numbers.py**” for root executable. Here is some more information about the **chmod** command.

12. **hostname** — Use **hostname** to know your name in your host or

cse@cse-OptiPlex-7060: ~/sabilFolder

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cse@cse-OptiPlex-7060:~/sabilFolder$ ls
copyFolder  copy.txt  myText.txt  new.txt
cse@cse-OptiPlex-7060:~/sabilFolder$ cat new.txt
my name is sabil
cse@cse-OptiPlex-7060:~/sabilFolder$ vi new2.txt
cse@cse-OptiPlex-7060:~/sabilFolder$ ls
copyFolder  copy.txt  myText.txt  new2.txt  new.txt
cse@cse-OptiPlex-7060:~/sabilFolder$ sudo bash
[sudo] password for cse:
root@cse-OptiPlex-7060:/home/cse/sabilFolder# df sabilFolder
df: sabilFolder: No such file or directory
root@cse-OptiPlex-7060:/home/cse/sabilFolder# ls -lah
total 20K
drwxrwxr-x  3 cse cse 4.0K  8 15:35 .
drwxr-xr-x 26 cse cse 4.0K  8 15:35 ..
drwxrwxr-x  2 cse cse 4.0K  8 15:30 copyFolder
-rw-rw-r--  1 cse cse  0  8 15:27 copy.txt
-rw-rw-r--  1 cse cse  0  8 15:26 myText.txt
-rw-rw-r--  1 cse cse 34  8 15:35 new2.txt
-rw-rw-r--  1 cse cse 17  8 15:33 new.txt
root@cse-OptiPlex-7060:/home/cse/sabilFolder# tar -cvf
tar: option requires an argument -- 'f'
Try 'tar --help' or 'tar --usage' for more information.
root@cse-OptiPlex-7060:/home/cse/sabilFolder# zip sabilFolder

zip error: Nothing to do! (sabilFolder.zip)
root@cse-OptiPlex-7060:/home/cse/sabilFolder# unzip sabilFolder
unzip: cannot find or open sabilFolder, sabilFolder.zip or sabilFolder.ZIP.
root@cse-OptiPlex-7060:/home/cse/sabilFolder# exit
exit
cse@cse-OptiPlex-7060:~/sabilFolder$ zip sabilFolder

zip error: Nothing to do! (sabilFolder.zip)
cse@cse-OptiPlex-7060:~/sabilFolder$ uname -a
Linux cse-OptiPlex-7060 5.15.0-43-generic #46-20.04.1-Ubuntu SMP Thu Jul 14 15:20:17 UTC 2022 x86_64 x86_64 x86_64 GNU/Linux
cse@cse-OptiPlex-7060:~/sabilFolder$
```

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