Branden Barnes

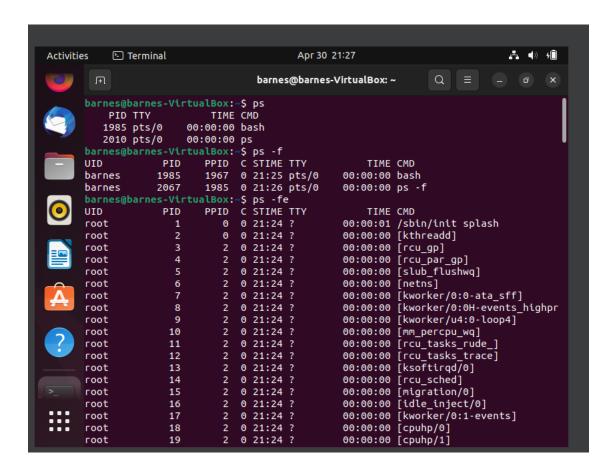
Professor Vatsa CYSE 270

4/23/2023

Process Control: Lab 13 System Admin

Task A: Managing System Processes

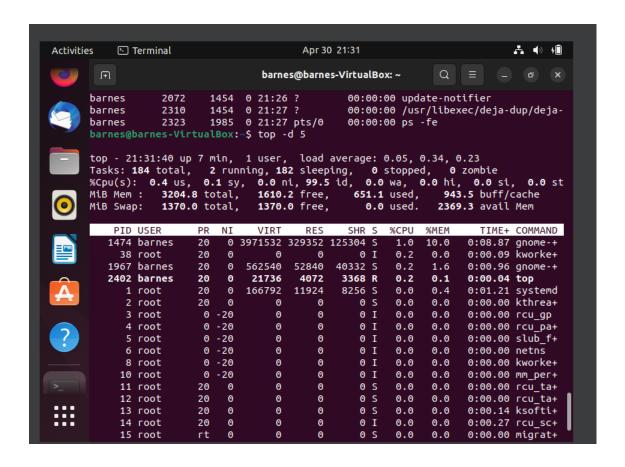
- Step 1. Open the terminal in your VM.
- Step 2. List the processes that are running in the current shell.
- Step 3. List all processes that are running on this system.

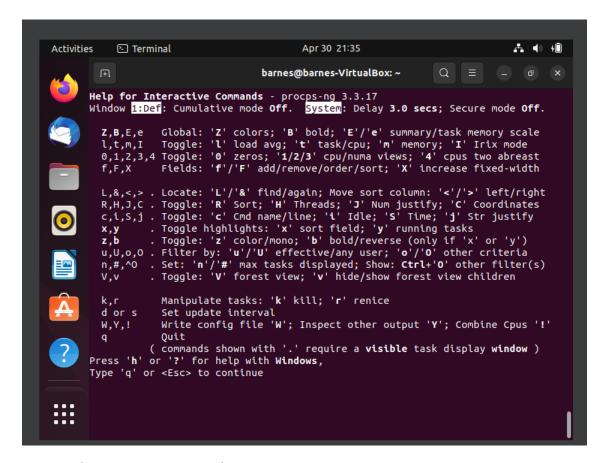


Step 4: Display all processes that are running by using the top command. (Keep this command running for the next few steps.)

Step 5: While in the top command, display the help screen.

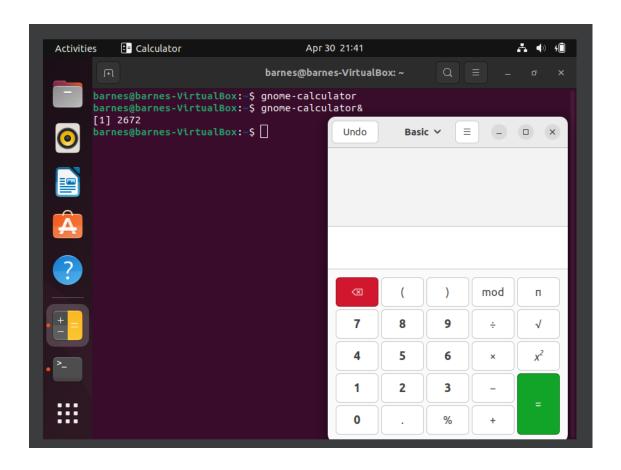
Step 6: Quit the top command.



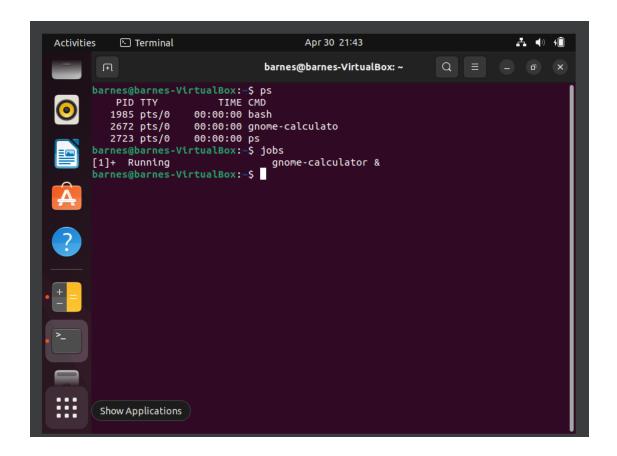


Command q to quit top command.

Step 7: Execute the gnome-calculator program in the background.

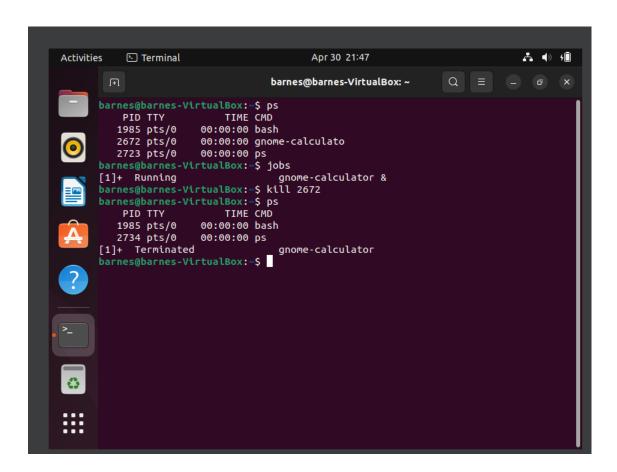


Step 8: In the current shell, list all running jobs.



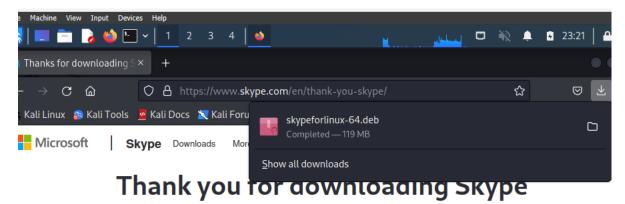
step-9: Use the killall command to stop (kill) all instances of the gnome-calculator program.

Step 10. In the current shell, use the ps command to list all running processes.



Task B: Package Installation

Step 1. Download the installation package (deb file) for skype in Linux and install it properly.



```
branden@bbarn024: ~/Downloads
File Actions Edit View Help
$ pwd
/home/branden
bash2.sh bbarn.hash directory.sh Downloads midas.sh Pictures rockyou.txt {test_dir}
                                        lab9.sh Music
bash.sh Desktop
s ls downloads
ls: cannot access 'downloads': No such file or directory
$ ls Downloads
cd Downloads
  —(branden⊛bbarn024)-[~/Downloads]
(branden@bbarnu24) ["/boanteddas]

$\frac{\sudo}{\sudo} \text{ dpkg -i skypeforlinux-64.deb} \text{ barnu24}
sudo: unable to resolve host bbarn024: Name or service not known
[sudo] password for branden:
Selecting previously unselected package skypeforlinux.
(Reading database ... 393460 files and directories currently installed.)
Preparing to unpack skypeforlinux-64.deb ...
Unpacking skypeforlinux (8.97.0.204) ...
```

Step 2. Create a backup file for the sources.list named source.list.bk in your Linux system. Display the contents in both files, and make sure they are identical.

```
(branden@bbarn024)-[~/Downloads]

$ cp /etc/apt/sources.list sources.list.bk

(branden@bbarn024)-[~/Downloads]

$ ls

skypeforlinux-64.deb sources.list.bk
```

Step 3. Delete everything in the source.list file. Now try to download the package "joe" by using apt get install command. What error do you see?

```
(branden® bbarn024)-[~/Downloads]
$ sudo rm /etc/apt/sources.list
sudo: unable to resolve host bbarn024: Name or service not known

(branden® bbarn024)-[~/Downloads]
$ sudo apt install joe
sudo: unable to resolve host bbarn024: Name or service not known
Reading package lists... Done
Building dependency tree ... Done
Reading state information ... Done
E: Unable to locate package joe

(branden® bbarn024)-[~/Downloads]
```

Step 4. Recover the sources.list from the backup file, then try to download the "joe" file again. You should be able to install joe this time.

```
(branden⊕ bbarn024)-[~/Downloads]
$\frac{\sudo}{\sudo} \cdot \text{psudo} \text{psudo} \cdot \text{psudo} \cdot \text{psudo} \text{psudo} \cdot \text{psudo} \text{psudo}
```

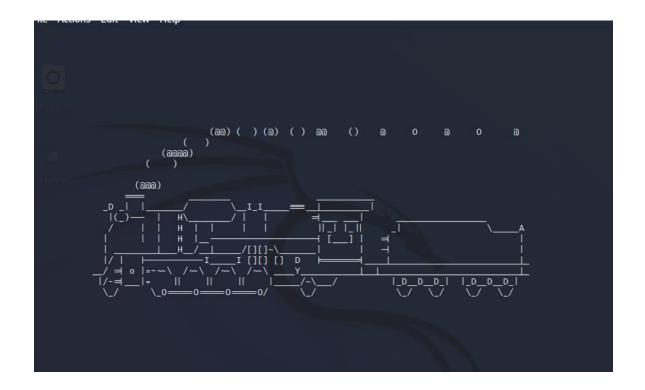
```
(branden⊕ bbarn024)-[~/Downloads]

$ sudo apt install joe
sudo: unable to resolve host bbarn024: Name or service not known
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
joe
0 upgraded, 1 newly installed, 0 to remove and 1265 not upgraded.
Need to get 530 kB of archives.
```

Step 5. Install and play the "sl" command.

```
(branden⊕ bbarn024)-[~/Downloads]

sudo: unable to resolve host bbarn024: Name or service not known
Reading package lists... Done
Building dependency tree... Done
Reading state information ... Done
The following NEW packages will be installed:
sl
0 upgraded, 1 newly installed, 0 to remove and 1265 not upgraded.
Need to get 13.2 kB of archives.
After this operation, 61.4 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 sl amd64 5.02-1+b1
Fetched 13.2 kB in 0s (38.7 kB/s)
Selecting previously unselected package sl.
(Reading database ... 393460 files and directories currently installed.)
Preparing to unpack .../sl_5.02-1+b1_amd64.deb ...
Unpacking sl (5.02-1+b1) ...
Setting up sl (5.02-1+b1) ...
Processing triggers for man-db (2.11.0-1+b1) ...
```



Step 6. Install and play the "cowsay" command.

```
(branden® bbarn024)-[~/Downloads]

$ sudo apt install cowsay
sudo: unable to resolve host bbarn024: Name or service not known
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
Suggested packages:
  filters cowsay-off
The following NEW packages will be installed:
    cowsay
0 upgraded, 1 newly installed, 0 to remove and 1265 not upgraded.
Need to get 21.4 kB of archives.
After this operation, 94.2 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 cowsay all 3.03+dfsg2-8 [21.4 kB]
Fetched 21.4 kB in 0s (56.0 kB/s)
Selecting previously unselected package cowsay.
(Reading database ... 393484 files and directories currently installed.)
Preparing to unpack ... /cowsay_3.03+dfsg2-8_all.deb ...
Unpacking cowsay (3.03+dfsg2-8) ...
Setting up cowsay (3.03+dfsg2-8) ...
Processing triggers for man-db (2.11.0-1+b1) ...

| branden® bbarn024)-[~/Downloads]
```

Step 7. Install and play the "cmatrix" command.

```
-(branden® bbarn024)-[~/Downloads]
$ sudo apt install cmatrix
sudo: unable to resolve host bbarn024: Name or service not known Reading package lists... Done
Building dependency tree ... Done
Reading state information... Done
Suggested packages:
  cmatrix-xfont
The following NEW packages will be installed:
  cmatrix
0 upgraded, 1 newly installed, 0 to remove and 1265 not upgraded.
Need to get 17.5 kB of archives.
After this operation, 53.2 kB of additional disk space will be used.
Get:1 http://mirrors.jevincanders.net/kali kali-rolling/main amd64 cmatrix amd64 2.0-3 [17.5 kB]
Fetched 17.5 kB in 0s (50.6 kB/s)
Selecting previously unselected package cmatrix. (Reading database ... 393545 files and directories currently installed.)
Preparing to unpack .../cmatrix_2.0-3_amd64.deb ...
Unpacking cmatrix (2.0-3) ...
Setting up cmatrix (2.0-3) ...
Processing triggers for mailcap (3.70+nmu1)
Processing triggers for kali-menu (2022.4.1) ...
Processing triggers for desktop-file-utils (0.26-1) ...
Processing triggers for man-db (2.11.0-1+b1) ...
___(branden⊛ bbarn024)-[~/Downloads]
```