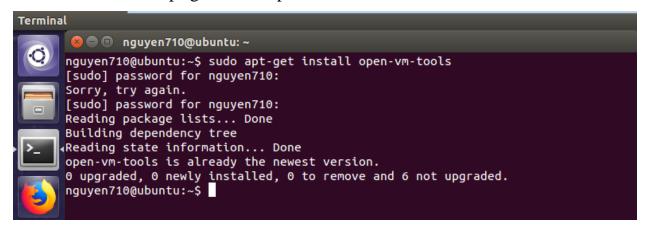
# BÁO CÁO BÀI TẬP THỰC HÀNH TUẦN 05

# MỨC ĐỘ HÀNH THÀNH YÊU CẦU BÀI TẬP: 3/3

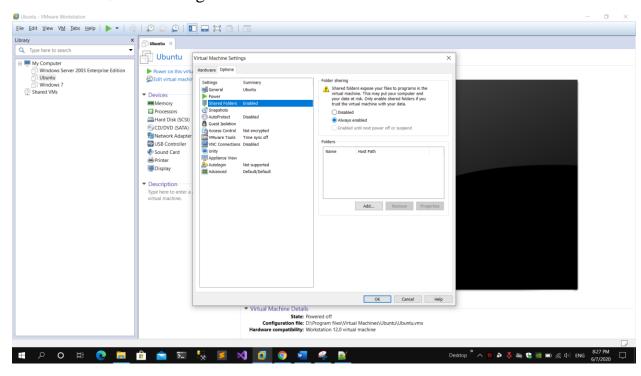
#### 1. RPM

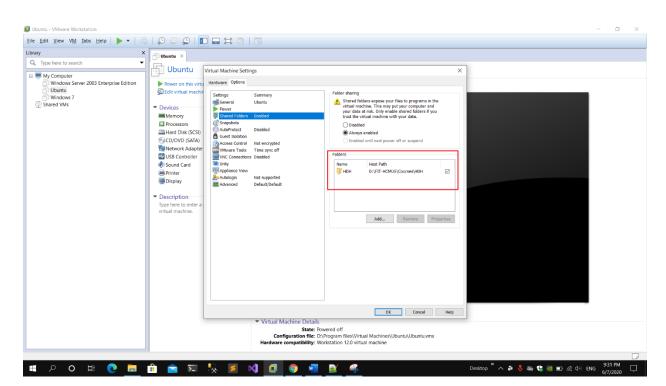
1.1. ~\$ sudo apt-get install open-vm-tools

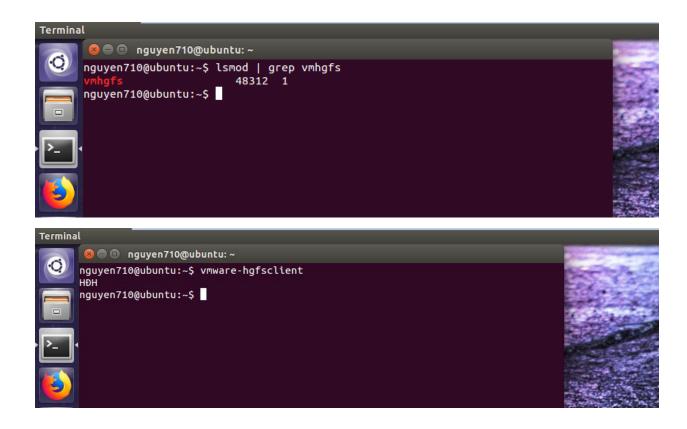


~\$ sudo apt-get install gcc build-essential -y

### 1.2. ~\$ vmware-hgfsclient







# 1.3. ~\$ sudo apt-get install rpm root@ubuntu:~# rpm -qa>/root/rpm.txt

```
representatives and springer trained processing of the common process of the common proc
```

1.4. ~\$ rpm -i mc-4.5.42-10.src.rpm

```
Unpacking librpmsign1 (4.11.1-3ubuntu0.1) ...
Selecting previously unselected package rpm-common.
Preparing to unpack .../rpm-common_4.11.1-3ubuntu0.1_i386.deb ...
Unpacking rpm-common (4.11.1-3ubuntu0.1) ...
Selecting previously unselected package rpm2cpio.
Preparing to unpack .../rpm2cpio_4.11.1-3ubuntu0.1_i386.deb ...
Unpacking rpm2cpio (4.11.1-3ubuntu0.1) ...
Selecting previously unselected package rpm.
Preparing to unpack .../rpm_4.11.1-3ubuntu0.1_i386.deb ...
Unpacking rpm (4.11.1-3ubuntu0.1) ..
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Setting up librpmio3 (4.11.1-3ubuntu0.1) ...
Setting up debugedit (4.11.1-3ubuntu0.1) ...
Setting up librpm3 (4.11.1-3ubuntu0.1) ...
Setting up librpmbuild3 (4.11.1-3ubuntu0.1) ...
Setting up librpmsign1 (4.11.1-3ubuntu0.1) ...
Setting up rpm-common (4.11.1-3ubuntu0.1) ...
Setting up rpm2cpio (4.11.1-3ubuntu0.1) ...
Setting up rpm (4.11.1-3ubuntu0.1) ..
Processing triggers for libc-bin (2.19-Oubuntu6.15) ...
nguyen@ubuntu:~$ rpm -i mc-4.5.42-10.src.rpm
```

- 1.5. Gói Midnight Commander (mc) là một trình bao trực quan giống như một trình quản lý tệp, chỉ với nhiều tính năng hơn. Nó là một ứng dụng chế độ văn bản, nhưng nó cũng bao gồm hỗ trợ chuột nếu bạn đang chạy GPM. Chỉ huy nửa đêm. Các tính năng thú vị nhất là khả năng của nó đối với FTP, xem các tệp tar và zip và để chọc vào RPM cho các tệp cu thể.
- 1.6. ~\$ rpm -qlp mc-4.5.42-10.src.rpm>/root/mc.txt

```
nguyen@ubuntu:~$ rpm -qlp mc-4.5.42-10.src.rpm>/root/mc.txt
```

1.7. ~\$ rpm -qa | grep gcc

```
nguyen@ubuntu:~$ rpm -qa | grep gcc
nguyen@ubuntu:~$ gcc --version
gcc (Ubuntu 4.8.4-2ubuntu1~14.04.4) 4.8.4
Copyright (C) 2013 Free Software Foundation, Inc.
```

1.8. ~\$ rpm -Uvh mc-4.6.1a-10.x86\_64.rpm

```
nguyen@ubuntu:~$ rpm -Uvh mc-4.6.1a-10.x86_64.rpm
```

1.9. ~\$ rpm -e mc-4.6.1a-10.x86\_64.rpm

```
nguyen@ubuntu:~$ rpm -e mc-4.6.1a-10.x86_64.rpm
```

- 2. Source
  - 2.1. # tar -cvf /tmp/root.tar /root
  - 2.2. # tar -zcf /tmp/root.tar.gz /root

#### 2.3. # tar -jcf /tmp/root.tar.bz2 /root

2.4. # gzip -d /tmp/root.tar.bz2 /tmp/test

```
root@ubuntu:~# tar -cvf /tmp/root.tar /root
tar: Removing leading `/' from member names
/root/
/root/.bashrc
./root/.bash_history
/root/.profile
root@ubuntu:~# tar -zcf /tmp/root.tar.gz /root
tar: Removing leading `/' from member names
root@ubuntu:~# tar -jcf /tmp/root.tar.bz2 /root
tar: Removing leading `/' from member names
root@ubuntu:~# gzip -d /tmp/root.tar.bz2 /tmp/test
gzip: /tmp/root.tar.bz2: unknown suffix -- ignored
gzip: /tmp/test.gz: No such file or directory
root@ubuntu:~#
```

- 2.5. ~\$ sudo add-apt-repository universe
  - ~\$ sudo apt update
  - ~\$ sudo apt install mc

```
In grywney with the continue of the continue o
```

#### 2.6. ~\$ sudo apt-get remove mc

```
nguyen@ubuntu:~$ sudo apt-get remove mc
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
 libssh2-1 mc-data
Use 'apt-get autoremove' to remove them.
The following packages will be REMOVED:
0 upgraded, 0 newly installed, 1 to remove and 6 not upgraded.
After this operation, 1,454 kB disk space will be freed.
Do you want to continue? [Y/n] Y
(Reading database ... 197007 files and directories currently installed.)
Removing mc (3:4.8.11-1) ...

update-alternatives: using /usr/bin/vim.tiny to provide /usr/bin/view (view) in auto mode
Processing triggers for desktop-file-utils (0.22-1ubuntu1.1) ...
Processing triggers for mime-support (3.54ubuntu1.1) ...
Processing triggers for gnome-menus (3.10.1-0ubuntu2) ...
Processing triggers for bamfdaemon (0.5.1+14.04.20140409-0ubuntu1) ...
Rebuilding /usr/share/applications/bamf-2.index...
nguyen@ubuntu:~$
```

#### 3. Quản trị Process

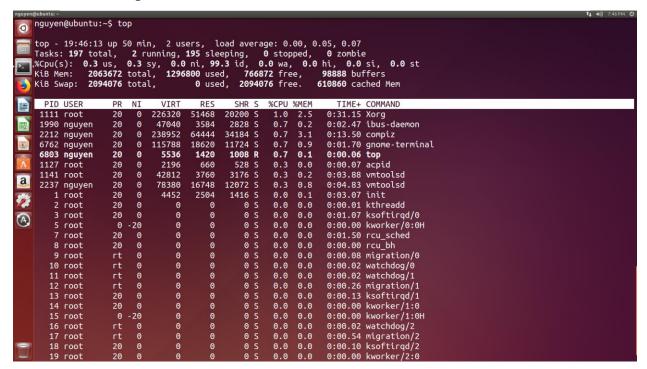
#### 3.1. ~\$ ps

```
nguyen@ubuntu:~$ ps
PID TTY TIME CMD
6773 pts/0 00:00:00 bash
6786 pts/0 00:00:00 ps
nguyen@ubuntu:~$
```

### 3.2. ~\$ pstree

```
nguyen@ubuntu:~$ pstree
   init——ModemManager——2*[{ModemManager}]
          -NetworkManager<del>---</del>dhclient
-dnsmasq
                            -3*[{NetworkManager}]
          -accounts-daemon---2*[{accounts-daemon}]
          -acpid
          -avahi-daemon---avahi-daemon
          -bluetoothd
          -colord---2*[{colord}]
          -cron
          -cups-browsed
          -cupsd--2*[dbus]
         —dbus-daemon
          -6*[getty]
```

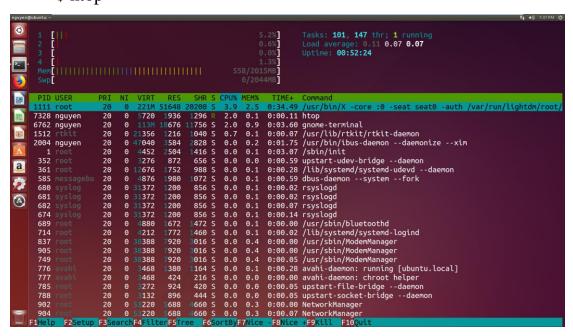
## 3.3. ~\$ top



# 3.4. ~\$ top>/root/top.txt

```
nguyen@ubuntu:~$ sudo -i
[sudo] password for nguyen:
root@ubuntu:~# top>/root/top.txt
root@ubuntu:~#
```

# 3.5. ~\$ sudo apt install htop ~\$ htop



#### 3.6. ~\$ top -b -n 1

```
Tasks: 197 total, 1 running, 196 sleeping, 0 stopped, 0 zombie

%Cpu(s): 0.4 us, 0.5 sy, 0.1 ni, 98.5 id, 0.5 wa, 0.0 hi, 0.0 si, 0.0 st

KiB Mem: 2063672 total, 1294248 used, 769424 free, 98892 buffers

KiB Swap: 2094076 total, 0 used, 2094076 free. 611344 cached Mem
       PID USER
                                                                                      TIME+ COMMAND
     1990 nguyen
                                    47040
                                               3584
                                                        2828 S
                                                                                   0:02.91 ibus-daemon
     7353 nguyen
                                     5420
                                               1296
                                                          960 R
                                                                   6.3 0.1
                                                                                   0:00.01 top
                                                                                  0:03.07 init
0:00.01 kthreadd
         1 root
                                      4452
                                               2504
                                                        1416 S
                                                                   0.0 0.1
                         20
                                                                    0.0 0.0
         2 root
                                                                                   0:01.09 ksoftirqd/0
                                                                    0.0 0.0
                         20
         3 root
                                                                    0.0
                                                                                   0:00.00 kworker/0:0H
                             -20
         5 root
                                                                    0.0
                                                                                   0:01.61 rcu_sched
         7 root
                         20
                                                                    0.0 0.0
                                                                                   0:00.00 rcu_bh
         8 root
         9 root
                                                                    0.0
                                                                                   0:00.08 migration/0
        10 root
                                          0
                                                                    0.0
                                                                                   0:00.02 watchdog/0
                                                                    0.0
        11 root
                                         0
                                                                          0.0
                                                                                   0:00.02 watchdog/1
                         rt
20
                                                                                  0:00.26 migration/1
0:00.14 ksoftirgd/1
        12 root
13 root
                                                                          0.0
                                                                    0.0
                                                                                   0:00.00 kworker/1:0
        14 root
        15 root
                                                                    0.0 0.0
                                                                                   0:00.00 kworker/1:0H
        16 root
                                                                    0.0
                                                                                   0:00.02 watchdog/2
                                                                                  0:00.54 migration/2
0:00.11 ksoftirqd/2
        17 root
                                                                    0.0 0.0
        18 root
                                                                    0.0
                                                                   0.0 0.0
0.0 0.0
                                                                                  0:00.00 kworker/2:0
0:00.00 kworker/2:0H
                         20
        19 root
        20 root
                                                                    0.0
                                                                                   0:00.02 watchdog/3
        21 root
        22 root
                                                                                   0:00.04 migration/3
        23 root
                                                                    0.0 0.0
                                                                                   0:00.12 ksoftirqd/3
        24 root
                                                                                   0:00.00 kworker/3:0
        25 root
                                                                    0.0
                                                                                  0:00.00 kworker/3:0H
                                                                                  0:00.00 khelper
```

3.7. ~\$ ps -e | wc -1

```
nguyen@ubuntu:~$ ps -e | wc -l
199
nguyen@ubuntu:~$
```

3.8. ~\$ ps -U root | wc -1

```
nguyen@ubuntu:~$ ps -U root | wc -l
124
nguyen@ubuntu:~$ |
```

3.9. ~\$ ps -C httpd -U root | wc -1

```
nguyen@ubuntu:~$ ps -C httpd -U root | wc -l
124
nguyen@ubuntu:~$
```

3.10. ~\$ ps axu | wc -1

```
nguyen@ubuntu:~$ ps axu | wc -l
199
nguyen@ubuntu:~$
```

#### 3.11. ~\$ ls -a>/root/lietke.txt

```
nguyen@ubuntu:~$ sudo -i
root@ubuntu:~# ls -a>/root/lietke.txt
root@ubuntu:~#
```

3.12. ~\$ bg %-

```
nguyen@ubuntu:~$ sudo -i
root@ubuntu:~# ls -a>/root/lietke.txt
root@ubuntu:~# logout
nguyen@ubuntu:~$ bg %-
```

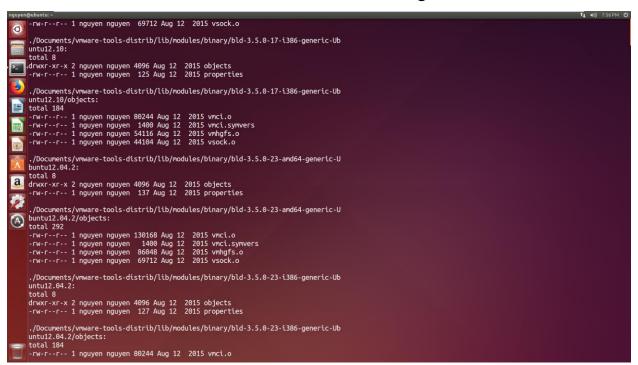
- 3.13.  $\sim$ \$ Ctrl + Z
- 3.14. ~\$ bg

#### nguyen@ubuntu:~\$ bg

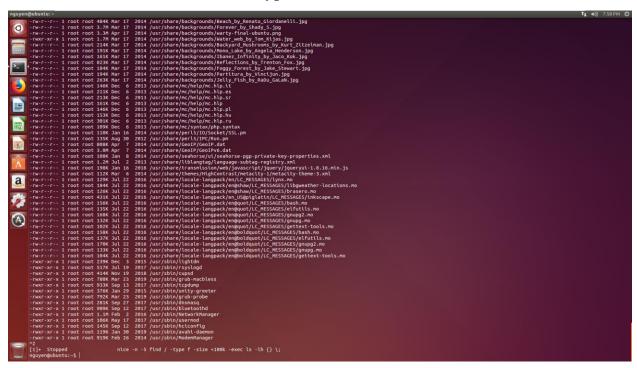
3.15. ~\$ nice -n -19 ls -lR

~\$ nice -n 19 ls -lR

Lệnh "ls -lR" với tiến trình -19 thực thi xong trước.



3.16.  $\sim$ \$ nice -n -5 find / -type f -size +100k -exec ls -lh {} \;



- 3.17. ~\$ renice -n 15 -p[pid]
- 3.18. Ctrl + C

```
nguyen@ubuntu:~$ renice -n 15 -p[776]
renice: bad value -p[776]
nguyen@ubuntu:~$ ^C
nguyen@ubuntu:~$
```