

CAP 454: LINUX AND SHELL SCRIPTING - LABORATORY

CONTINUOUS ASSESSMENTS (C.A)-2

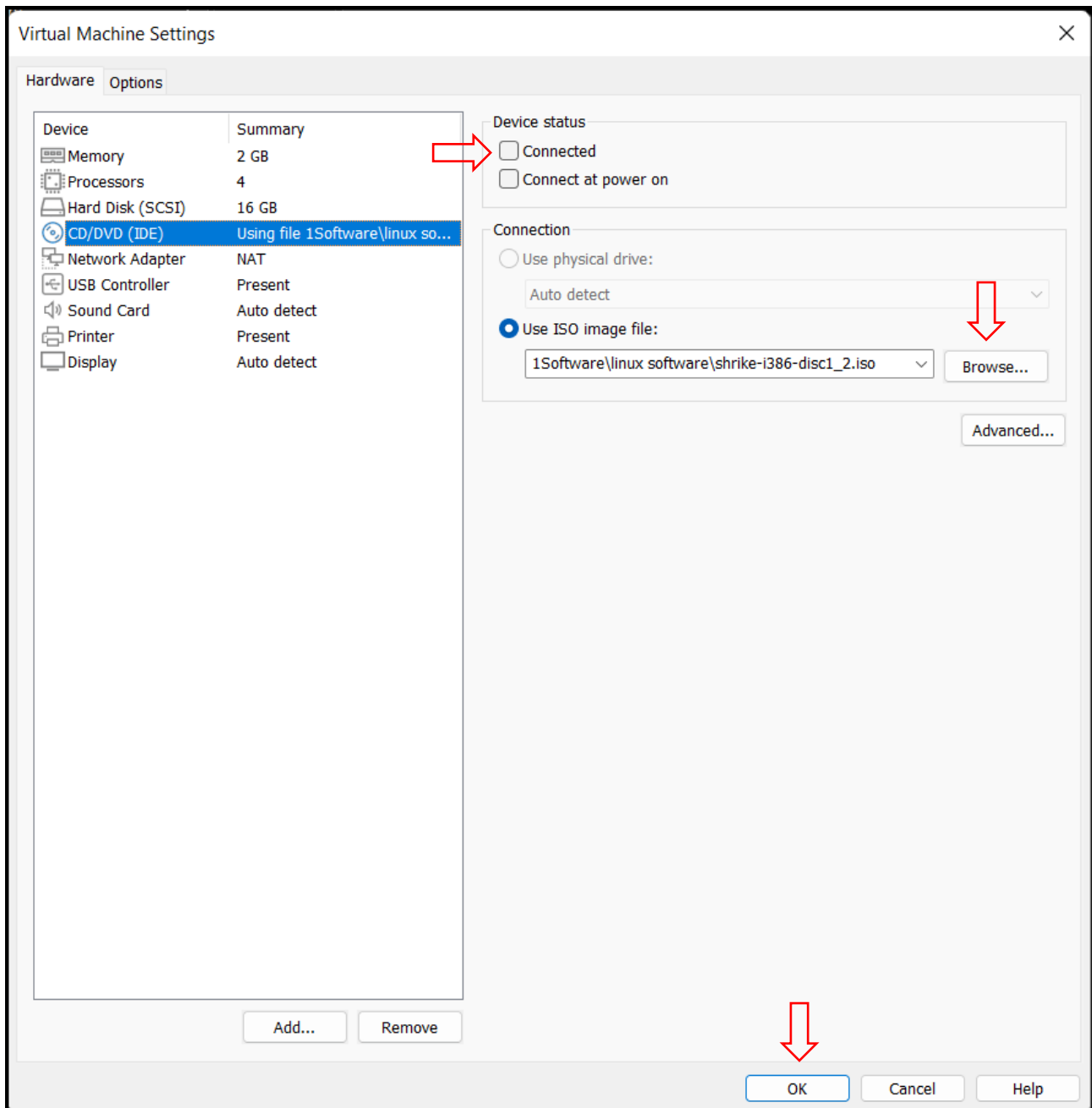
ST_NAME: - EKHLAKH AHMAD
REG NO.: - 12209166
ROLL NO.: - RD2215B67
SECTION: - D2215
GROUP: - 2

Q. Find vsftpd package and perform the following modes of operation:

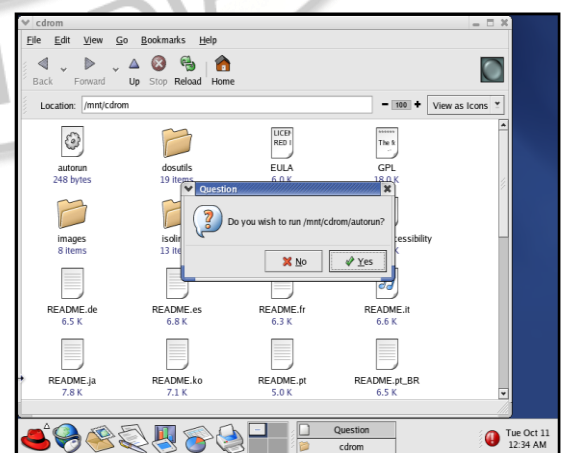
- 1) Install
- 2) Query
- 3) Verify
- 4) Upgrade
- 5) Delete

Process: -

- ☞ Open Linux. And Login root user.
- ☞ Click on VM → Removable Devices → CD/DVD(IDE) → Settings.
- ☞ Check connected check box.
- ☞ Click on Browse...
- ☞ Select CD3.
- ☞ Click on ok button.



- ☞ Then a dialog box will be open in GUI base.
- ☞ Click on No button.
- ☞ Select RedHat.
- ☞ Select RPM.
- ☞ Select vsftpd package.
- ☞ And copy location/path of package.
- ☞ Open new Terminal.



1). **install:** -Type rpm -ivh and paste file path then press enter key.

```
root@E9576:~  
File Edit View Terminal Go Help  
[root@E9576 root]# rpm -ivh /mnt/cdrom/RedHat/RPMS/vsftpd-1.1.3-8.i386.rpm  
warning: /mnt/cdrom/RedHat/RPMS/vsftpd-1.1.3-8.i386.rpm: V3 DSA signature: NOKEY  
, key ID db42a60e  
Preparing... ##### [100%]  
1:vsftpd ##### [100%]  
[root@E9576 root]#
```

2). **Query:** - Type rpm -q package_name

```
[root@E9576 root]# rpm -q vsftpd  
vsftpd-1.1.3-8  
[root@E9576 root]#
```

3). **verify:** - Type rpm -v package_name

```
[root@E9576 root]# rpm -v vsftpd  
RPM version 4.2  
Copyright (C) 1998-2002 - Red Hat, Inc.  
This program may be freely redistributed under the terms of the GNU GPL
```

4). **upgrade:** - Type rpm -Uvh paste package path

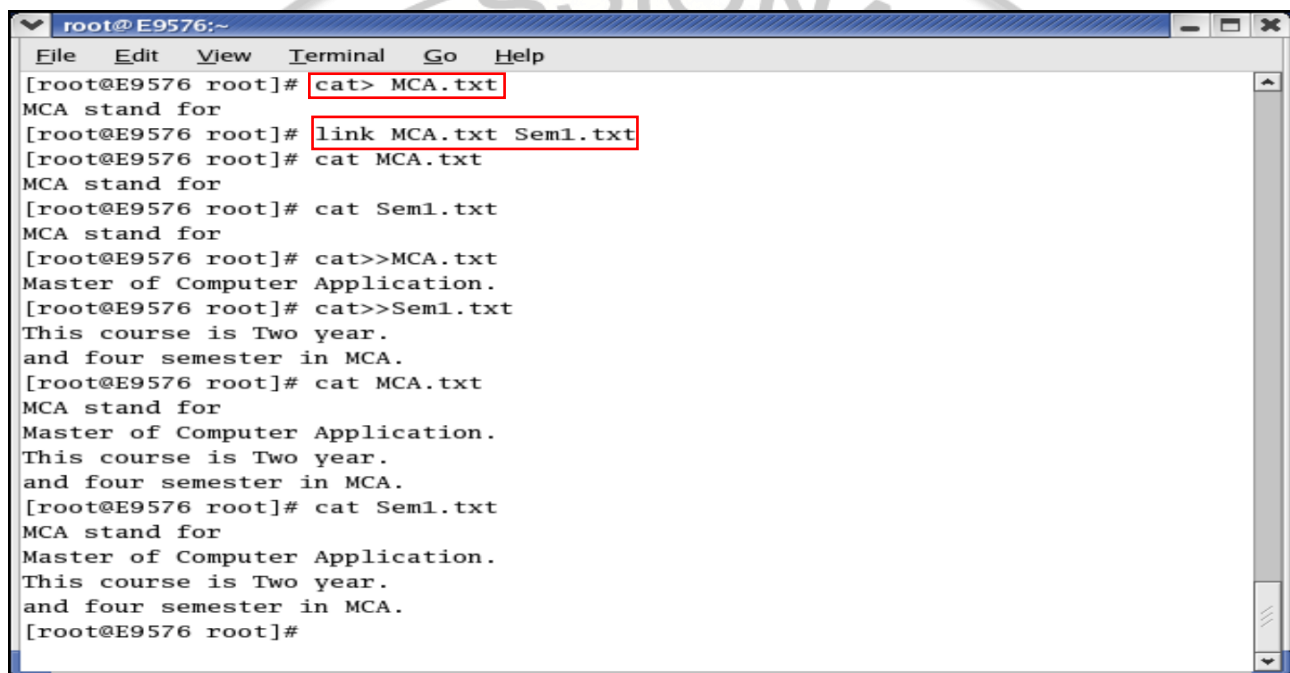
```
[root@E9576 root]# rpm -Uvh /mnt/cdrom/RedHat/RPMS/vsftpd-1.1.3-8.i386.rpm  
warning: /mnt/cdrom/RedHat/RPMS/vsftpd-1.1.3-8.i386.rpm: V3 DSA signature: NOKEY  
, key ID db42a60e  
Preparing... ##### [100%]  
package vsftpd-1.1.3-8 is already installed  
[root@E9576 root]#
```

5). **delete:** - Type rpm -e package_name

```
[root@E9576 root]# rpm -e vsftpd  
[root@E9576 root]#
```

Q. Create a file MCA.txt and add some data to this file related to program MCA. Now link a file Sem1.txt with MCA.txt using hard link. And perform the following : -

1). Append data to both the files one by one and view the changes in both file

A terminal window titled 'root@E9576:~' with a menu bar (File, Edit, View, Terminal, Go, Help). The terminal shows the following commands and output:

```
[root@E9576 root]# cat> MCA.txt
MCA stand for
[root@E9576 root]# link MCA.txt Sem1.txt
[root@E9576 root]# cat MCA.txt
MCA stand for
[root@E9576 root]# cat Sem1.txt
MCA stand for
[root@E9576 root]# cat>>MCA.txt
Master of Computer Application.
[root@E9576 root]# cat>>Sem1.txt
This course is Two year.
and four semester in MCA.
[root@E9576 root]# cat MCA.txt
MCA stand for
Master of Computer Application.
This course is Two year.
and four semester in MCA.
[root@E9576 root]# cat Sem1.txt
MCA stand for
Master of Computer Application.
This course is Two year.
and four semester in MCA.
[root@E9576 root]#
```

2). Delete original file and view content of original and linked file.

Delete original

Open original

Open linked

```
[root@E9576 root]# rm MCA.txt
rm: remove regular file `MCA.txt'? y
[root@E9576 root]# cat MCA.txt
cat: MCA.txt: No such file or directory
[root@E9576 root]# cat Sem1.txt
MCA stand for
Master of Computer Application.
This course is Two year.
and four semester in MCA.
[root@E9576 root]#
```