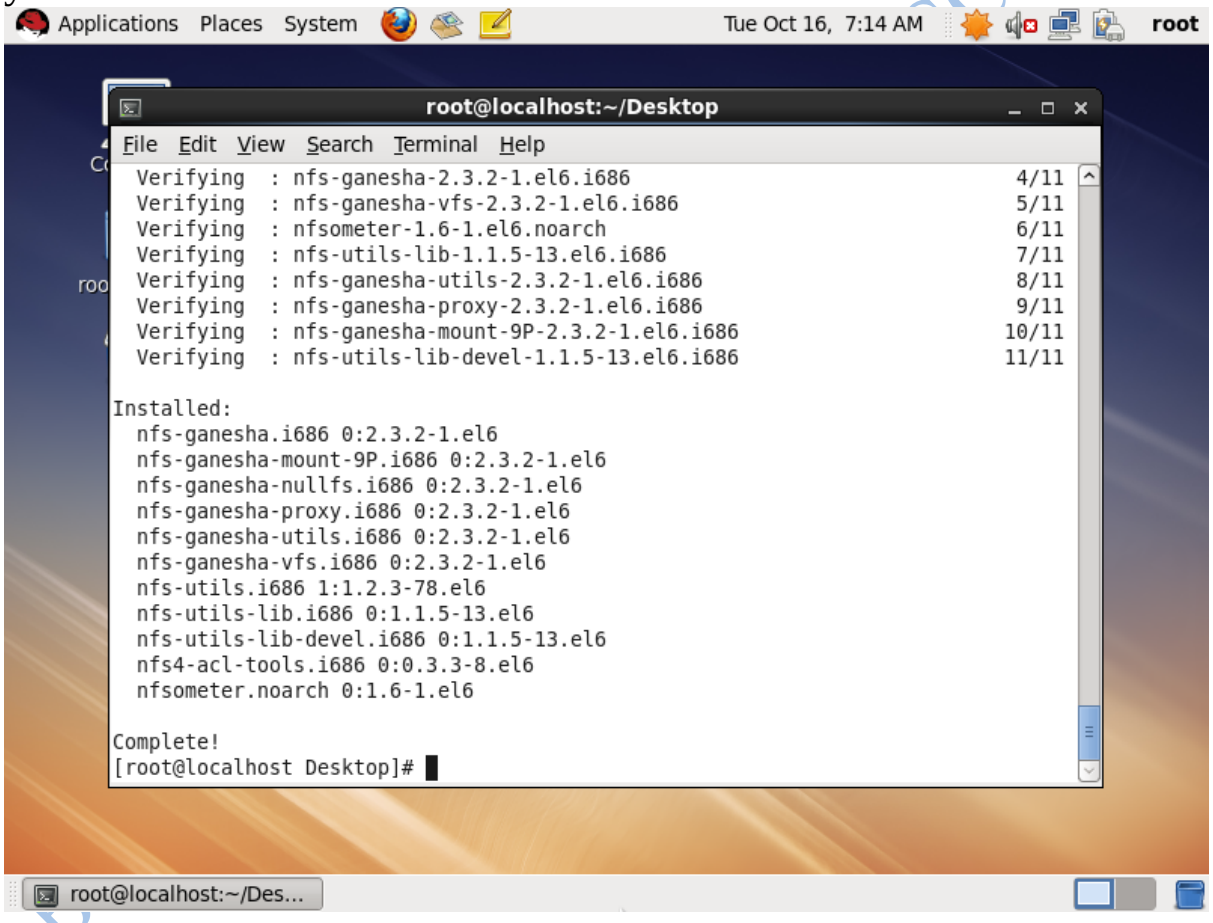
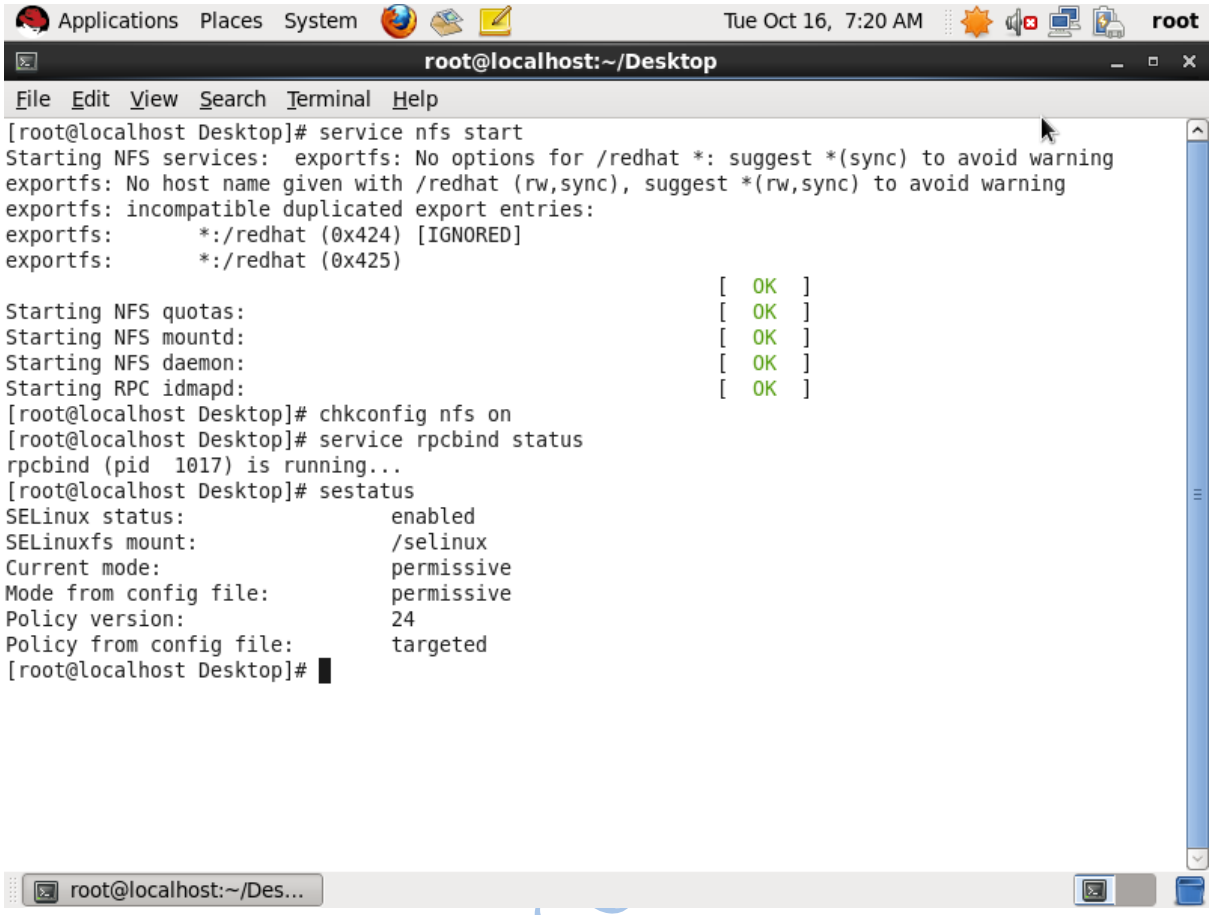
VPM'S B.N.BANDODKAR COLLEGE OF SCIENCE THANE(W)
DEPARTMENT OF IT
TYBSc IT Sem5 LINUX SYSTEM ADMINISTRATION PRACTICAL MANUAL

Practical 6

6A) Configuring NFS Server and Client
Run following command to install
yum install nfs*



start services



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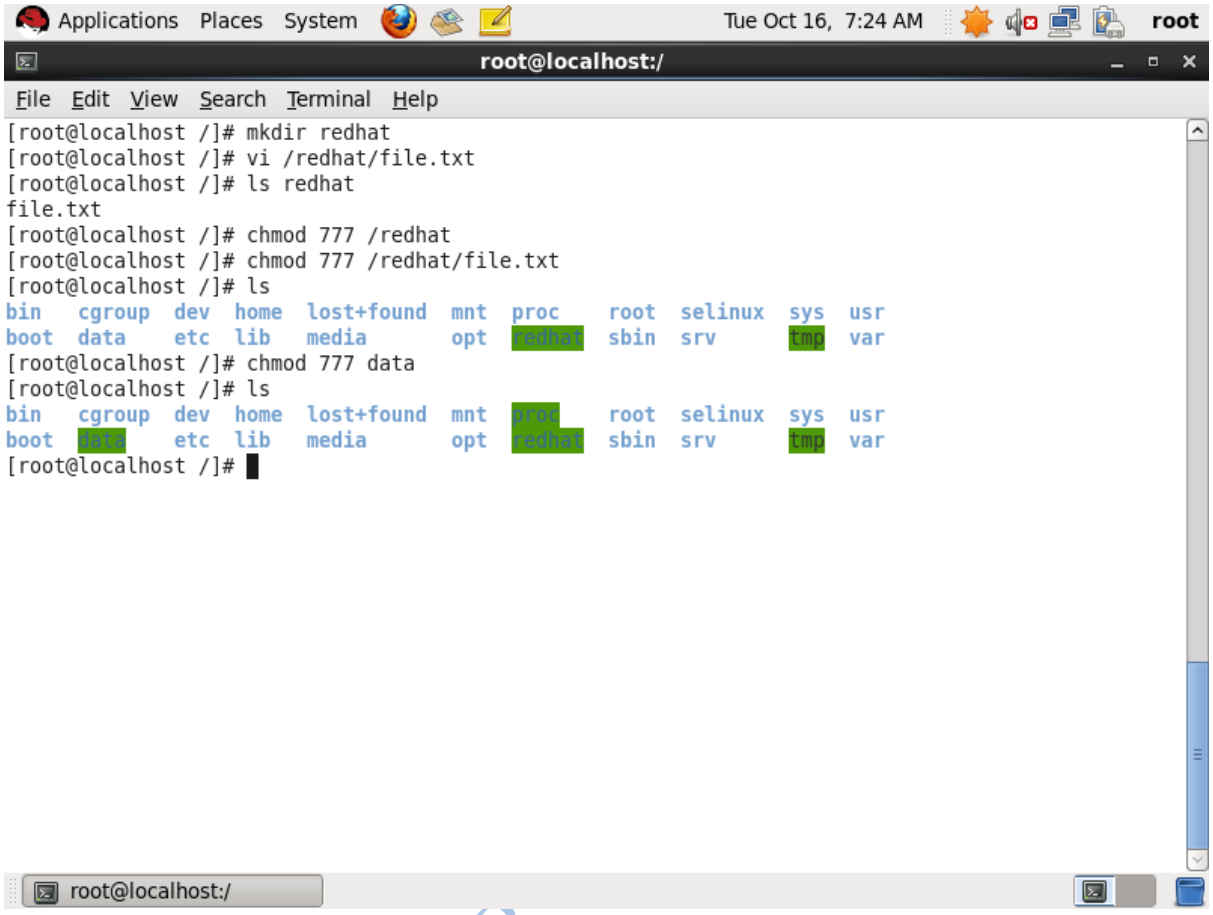
create directories



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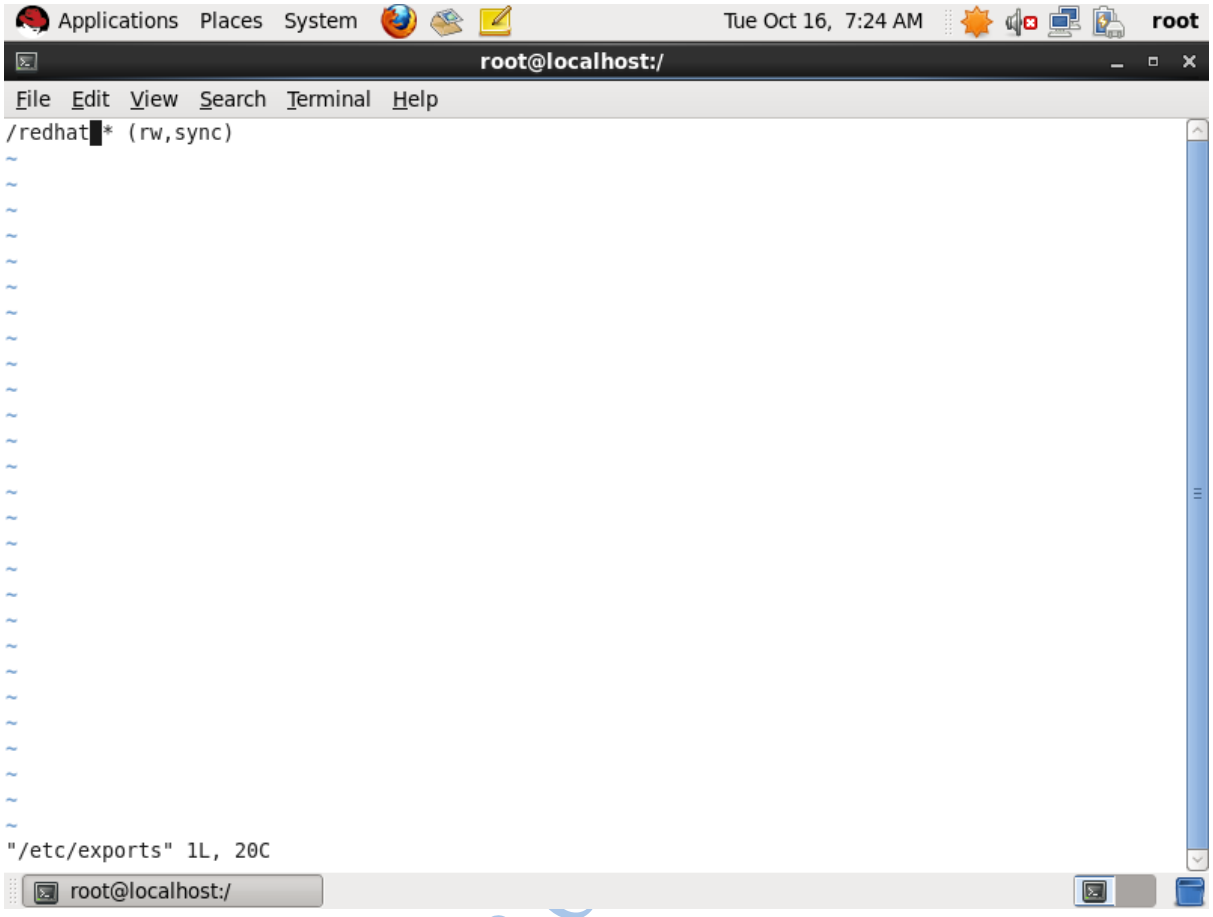
Configure /etc/exports file



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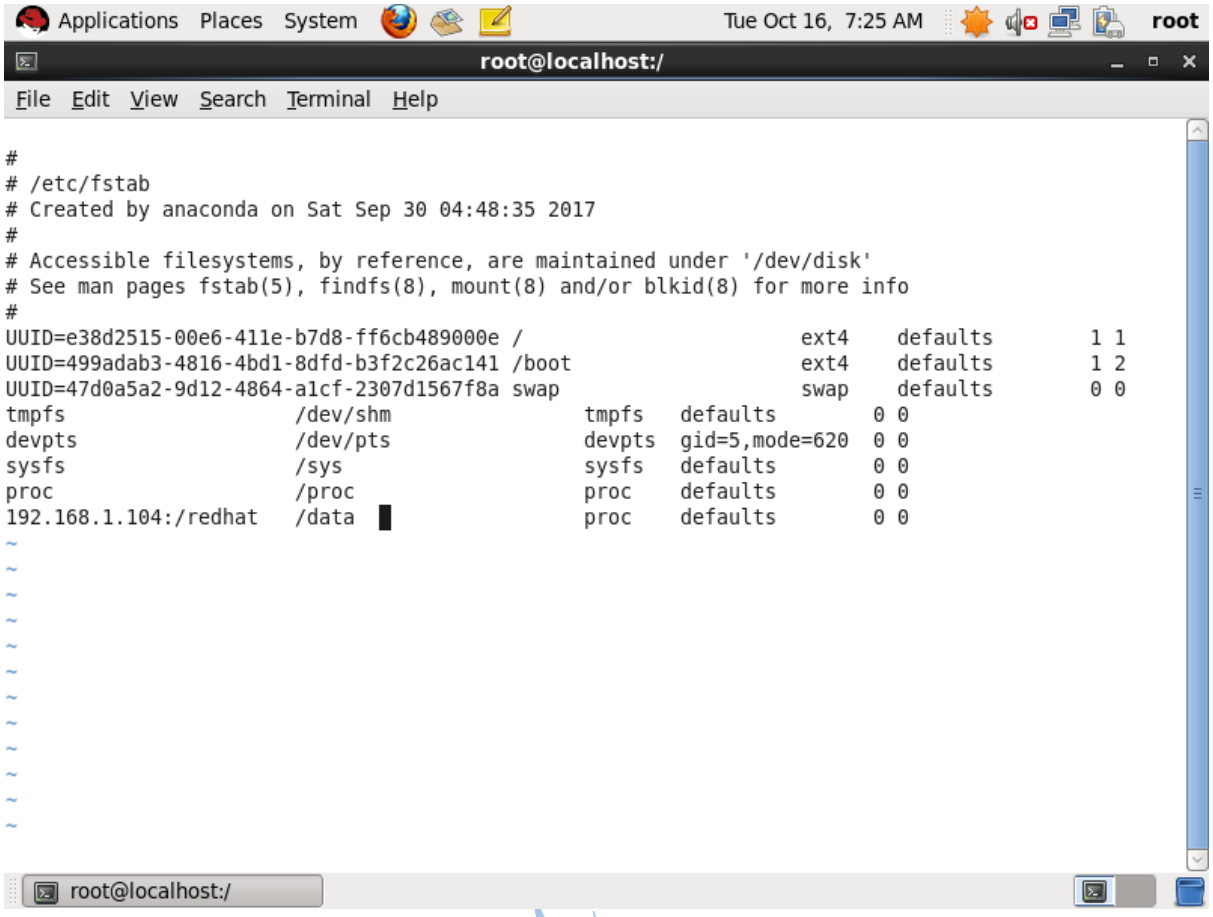
Configure /etc/fstab



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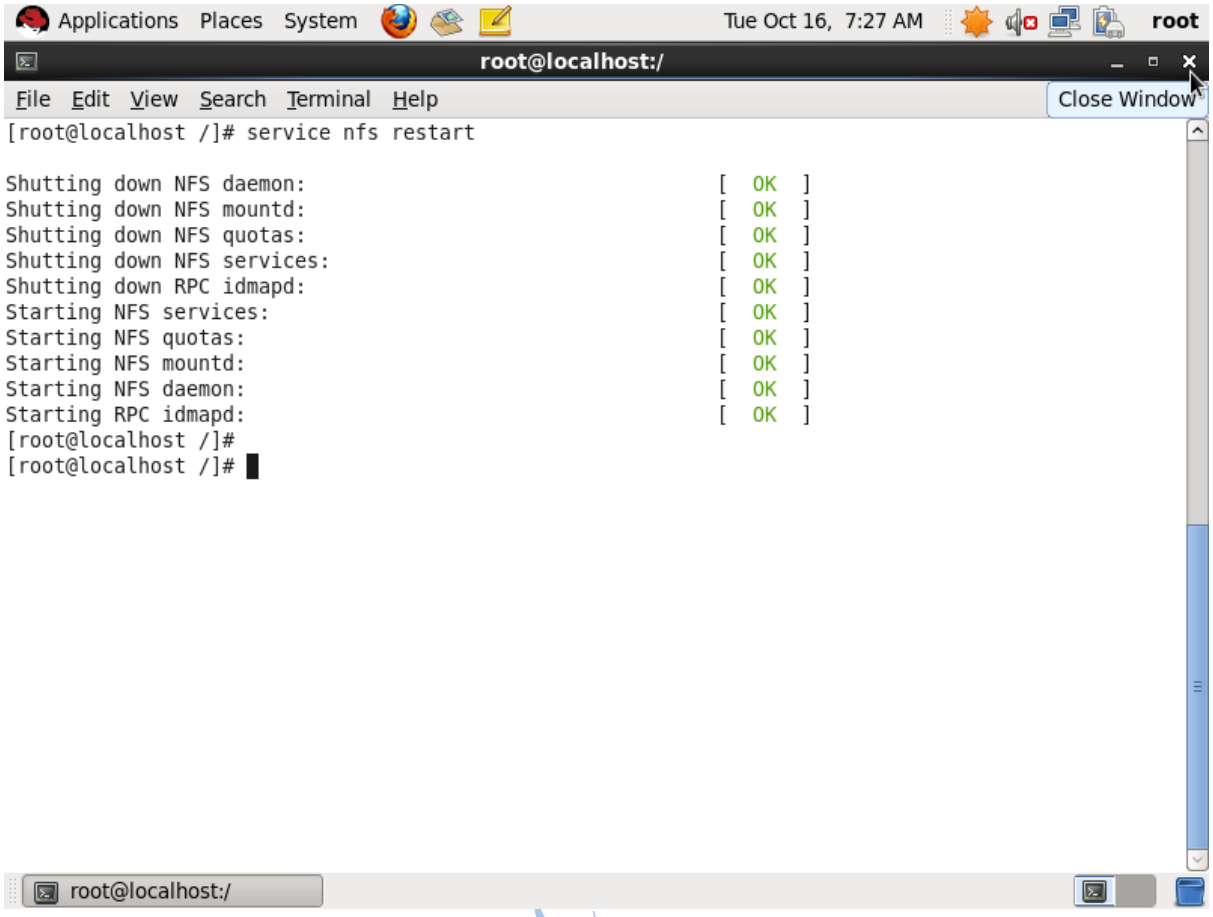
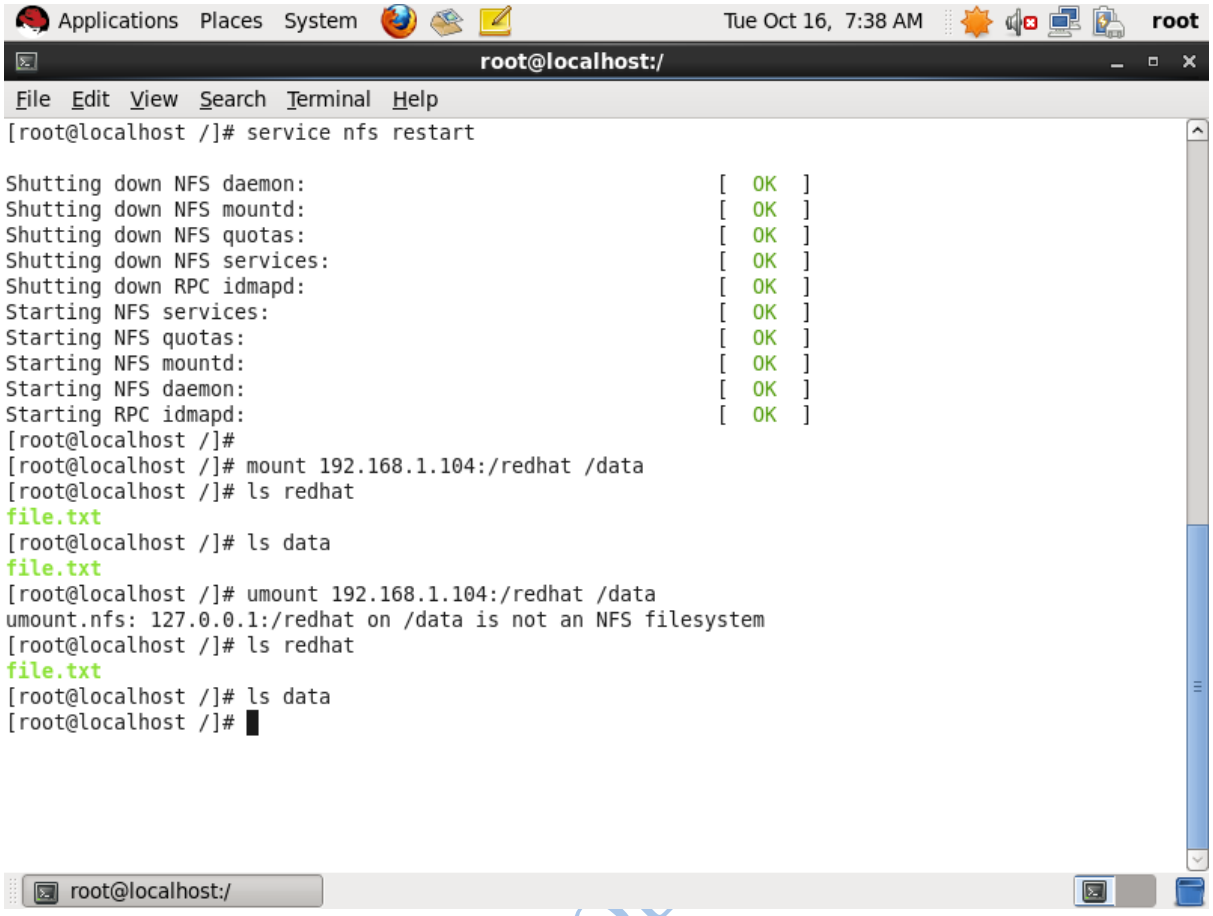
Restart nfs



B.N.BANDODKAR C



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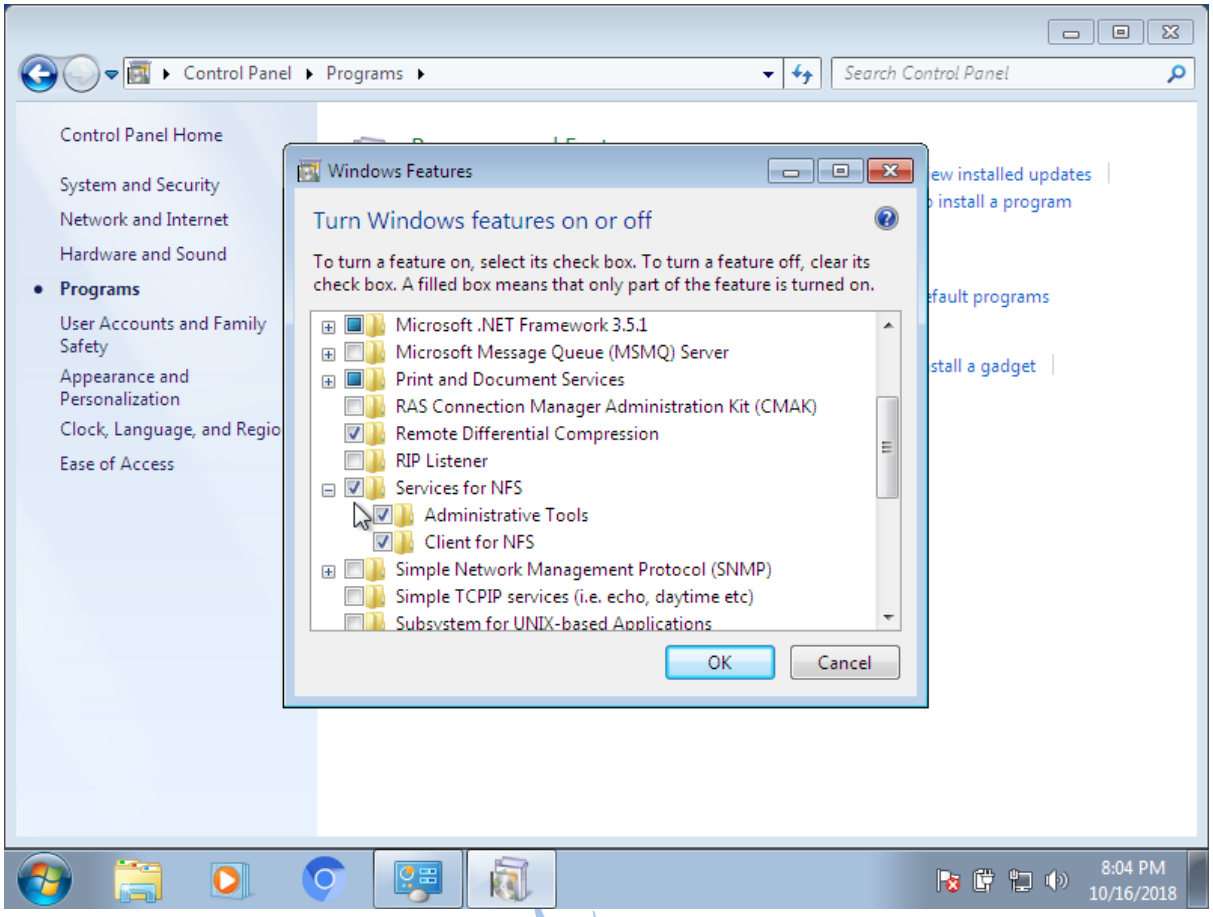
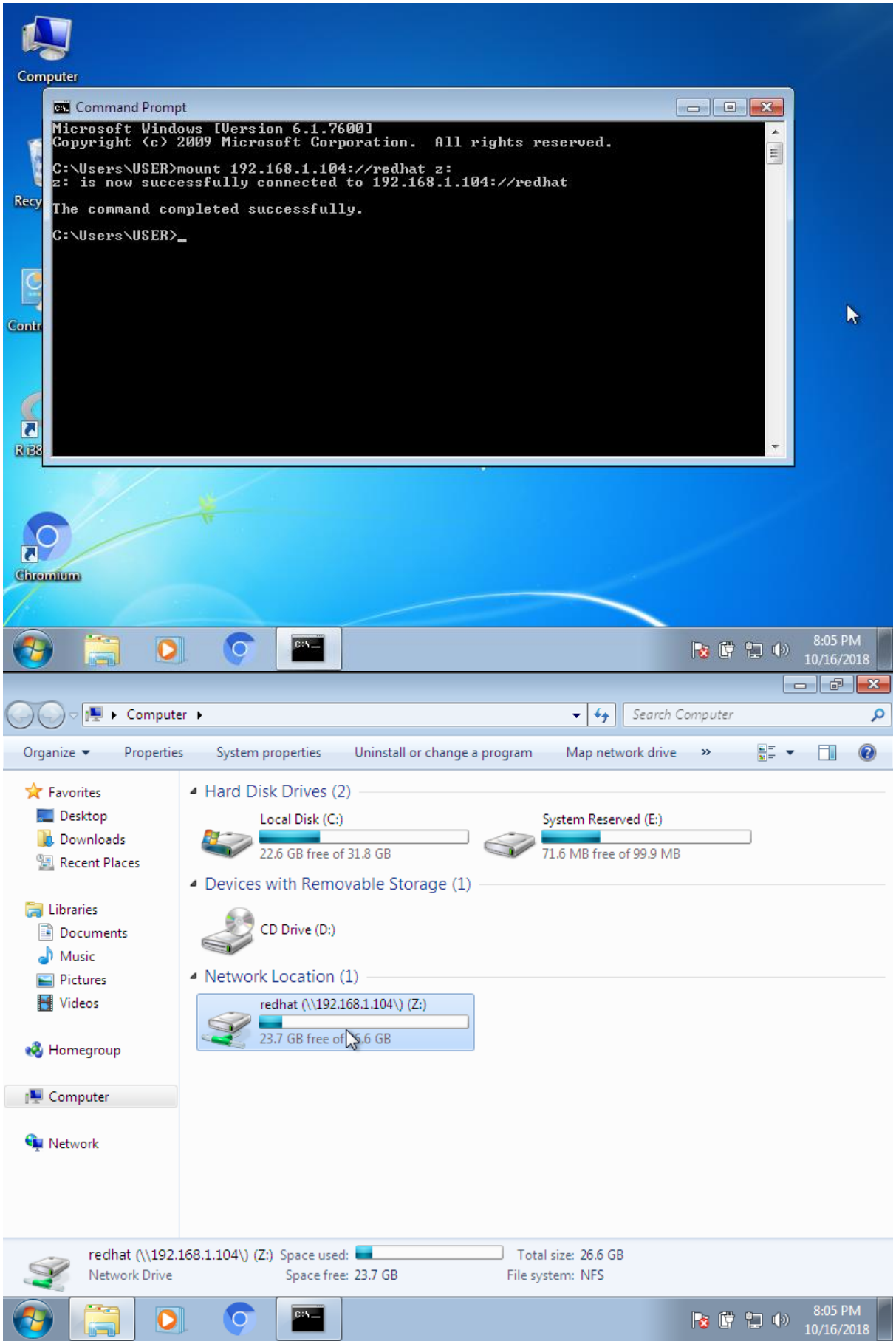
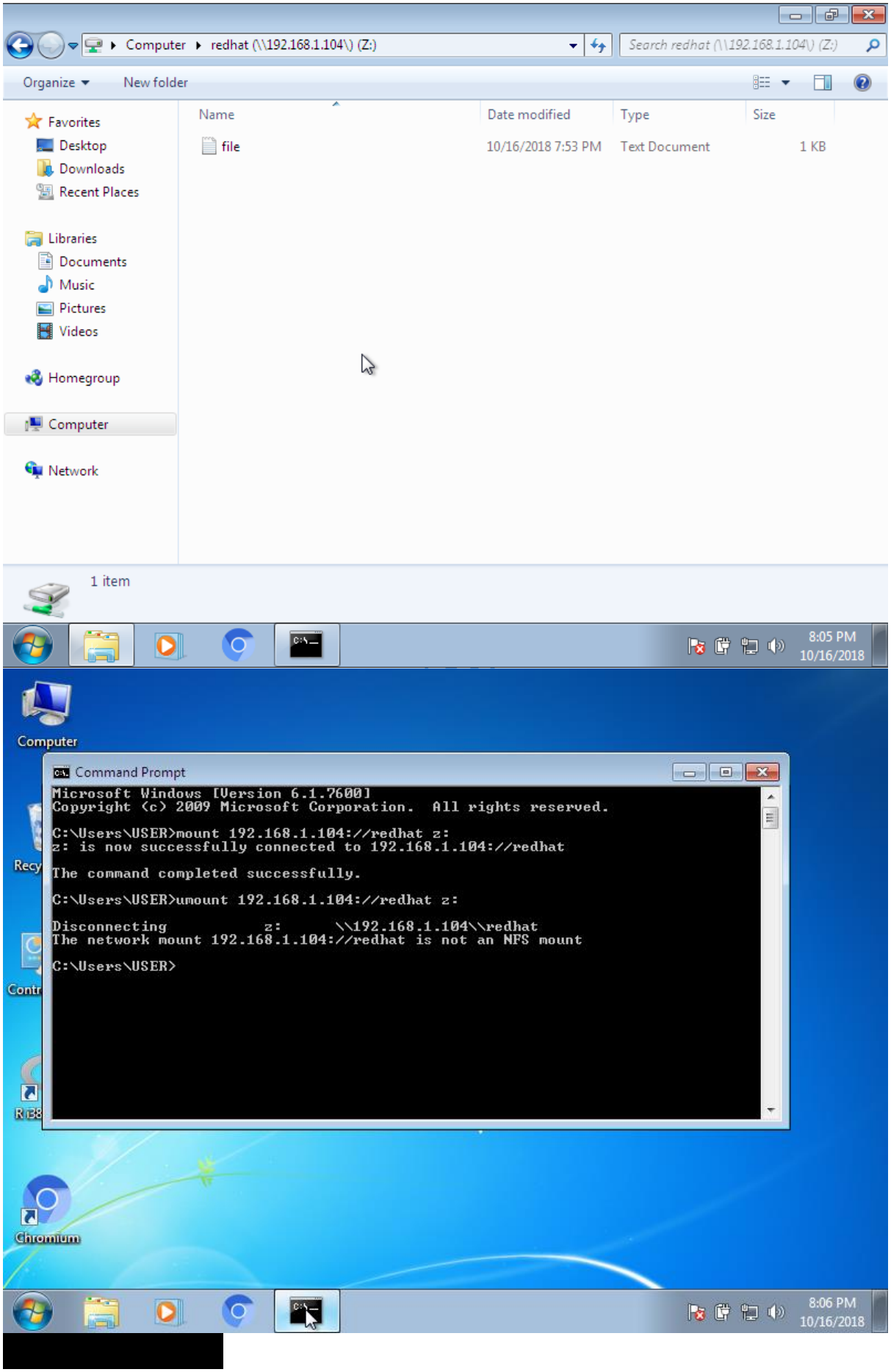
Windows configuration



B.N.BANDODKAR C


Computer
Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\USER>mount 192.168.1.104://redhat z:
z: is now successfully connected to 192.168.1.104://redhat
The command completed successfully.
C:\Users\USER>_
Chromium
8:05 PM
10/16/2018
Computer
Search Computer
Organize
Properties
System properties
Uninstall or change a program
Map network drive
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
Network
Hard Disk Drives (2)
Local Disk (C:)
22.6 GB free of 31.8 GB
System Reserved (E:)
71.6 MB free of 99.9 MB
Devices with Removable Storage (1)
CD Drive (D:)
Network Location (1)
redhat (\\192.168.1.104\) (Z:)
23.7 GB free of
redhat (\\192.168.1.104\) (Z:) Space used:
Total size: 26.6 GB
Network Drive
Space free: 23.7 GB
File system: NFS
8:05 PM
10/16/2018


Computer ▸ redhat (\\192.168.1.104\) (Z:)
Search redhat (\\192.168.1.104\) (Z:)
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
Network
Name
Date modified
Type
Size
file
10/16/2018 7:53 PM
Text Document
1 KB
1 item
8:05 PM
10/16/2018
Computer
Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\USER>mount 192.168.1.104://redhat z:
z: is now successfully connected to 192.168.1.104://redhat
The command completed successfully.
C:\Users\USER>umount 192.168.1.104://redhat z:
Disconnecting z: \\192.168.1.104\\redhat
The network mount 192.168.1.104://redhat is not an NFS mount
C:\Users\USER>
Chromium
8:06 PM
10/16/2018

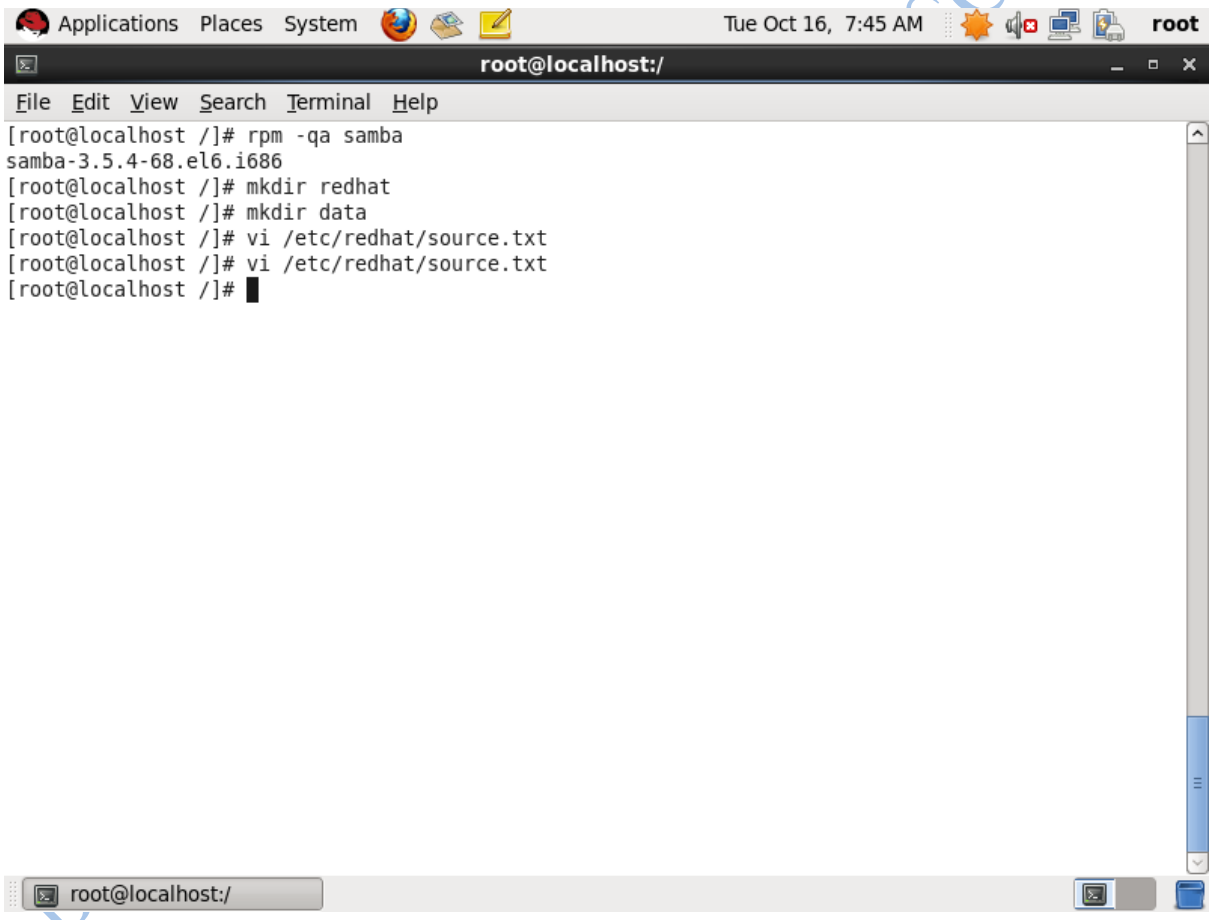
6b)Samba configuration

Install samba using following command

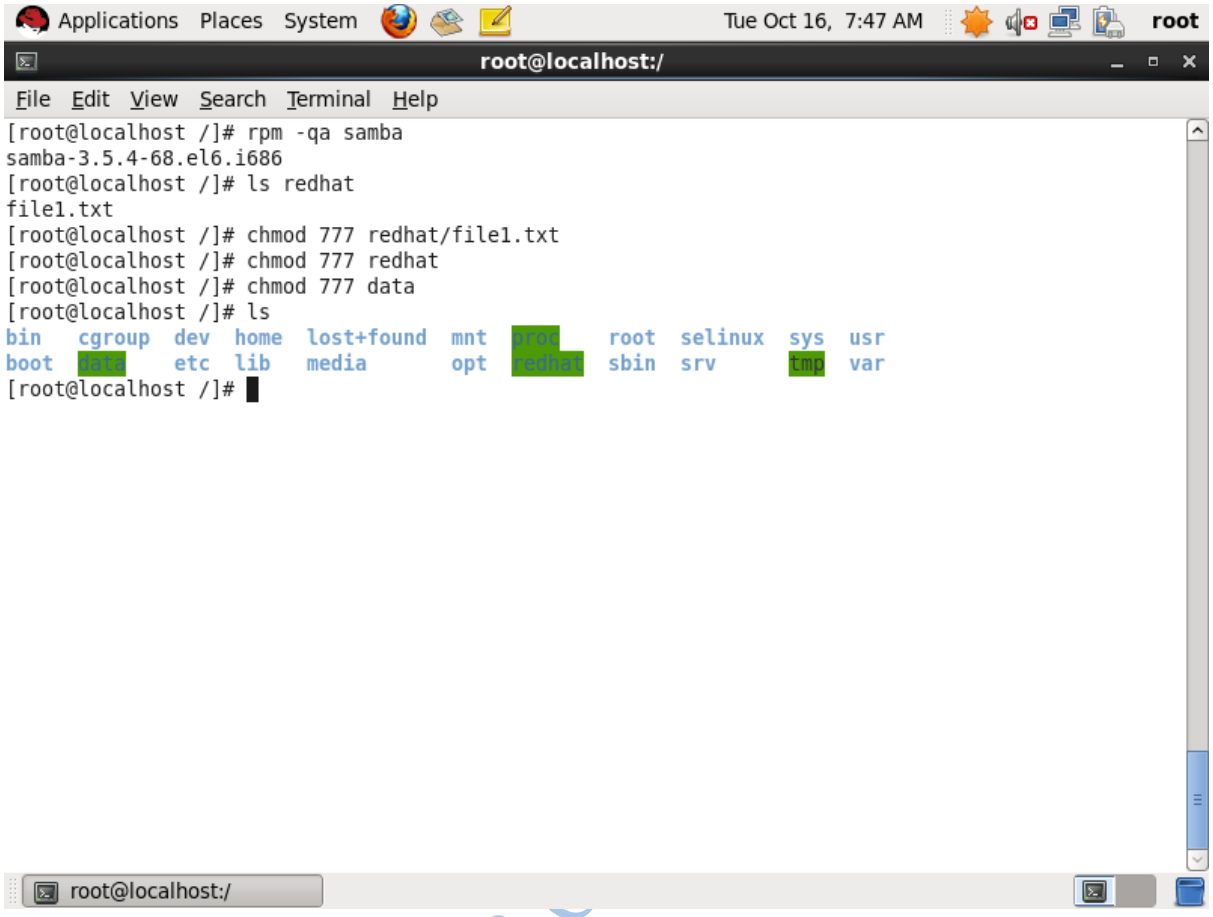
yum install samba*

service smb start

chkconfig smb on



create directories and files



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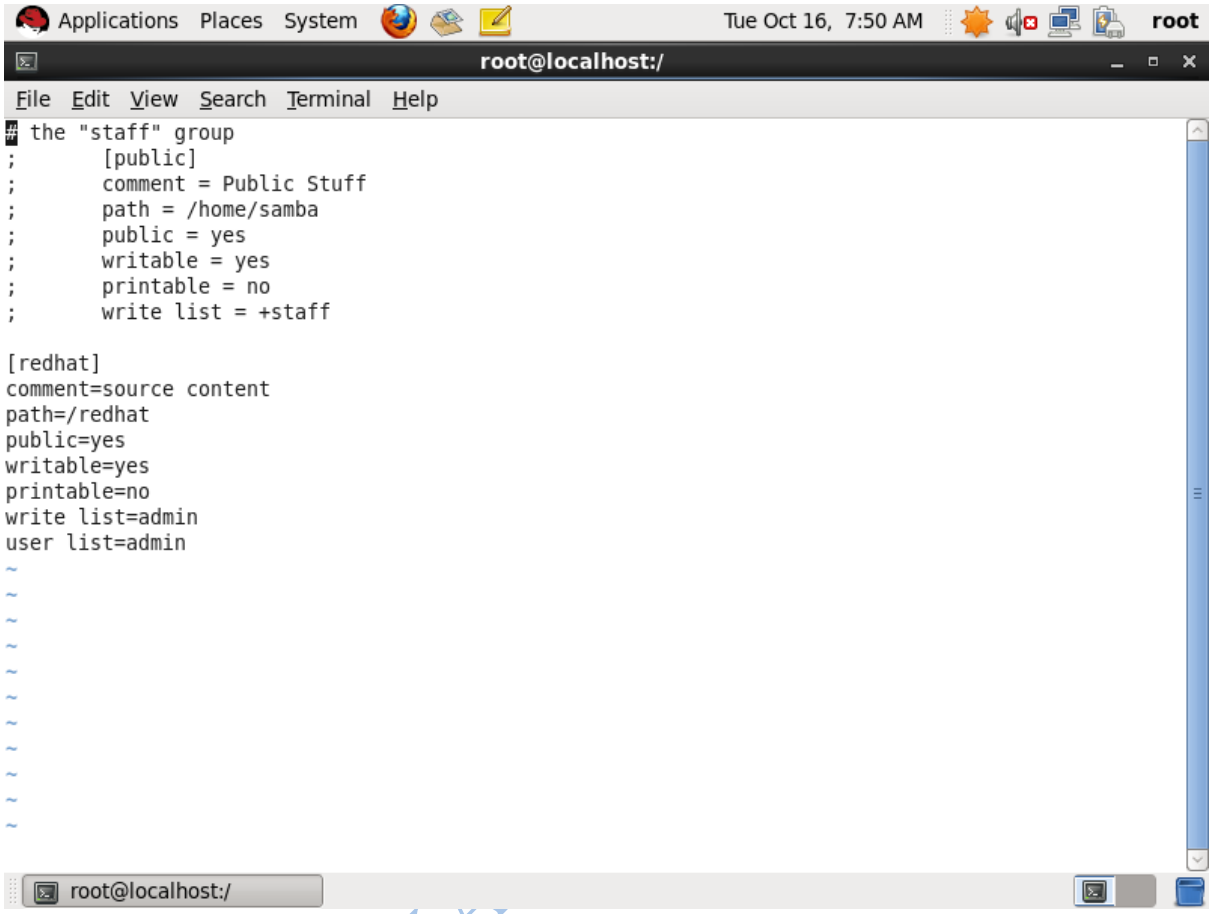
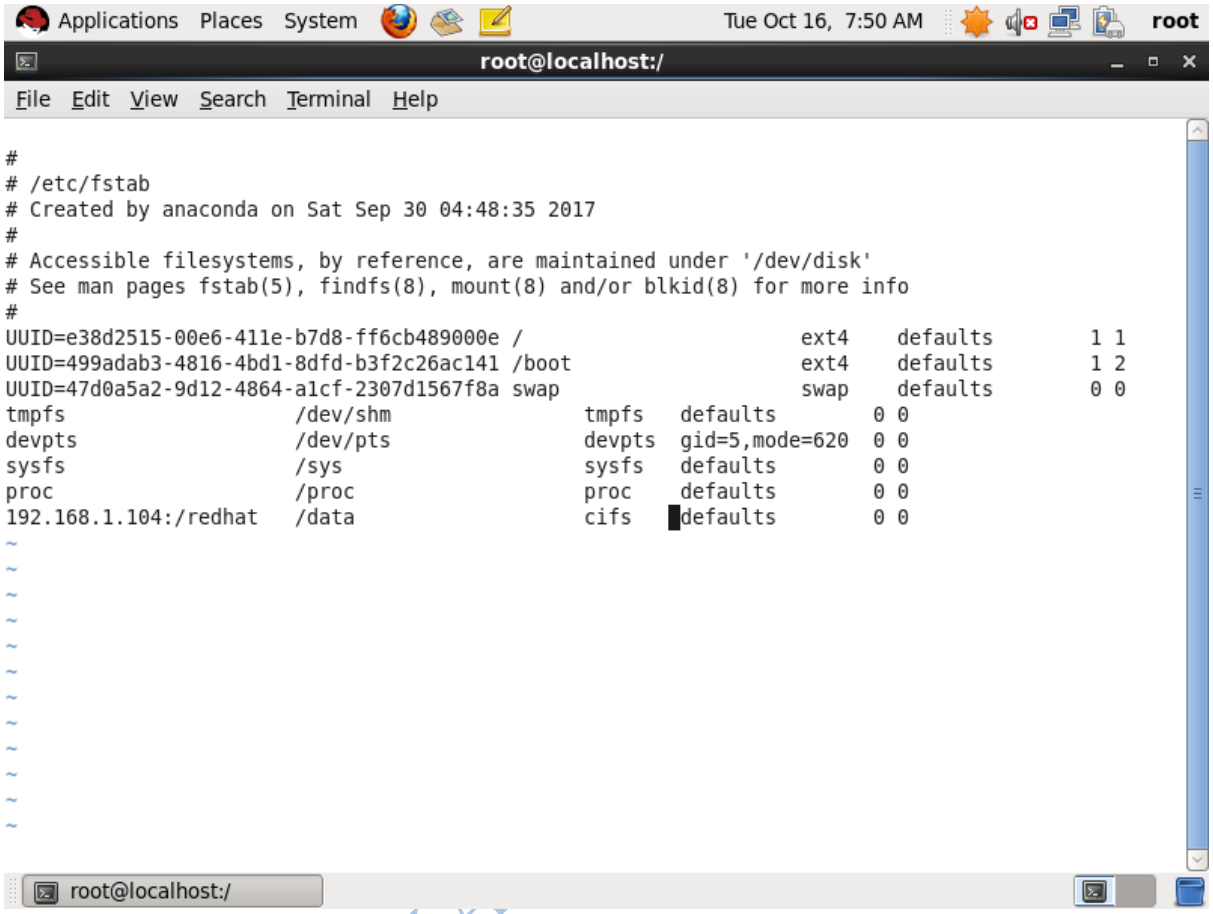
vi /etc/samba/smb.conf



B.N.BANDODKA

vi /etc/fstab



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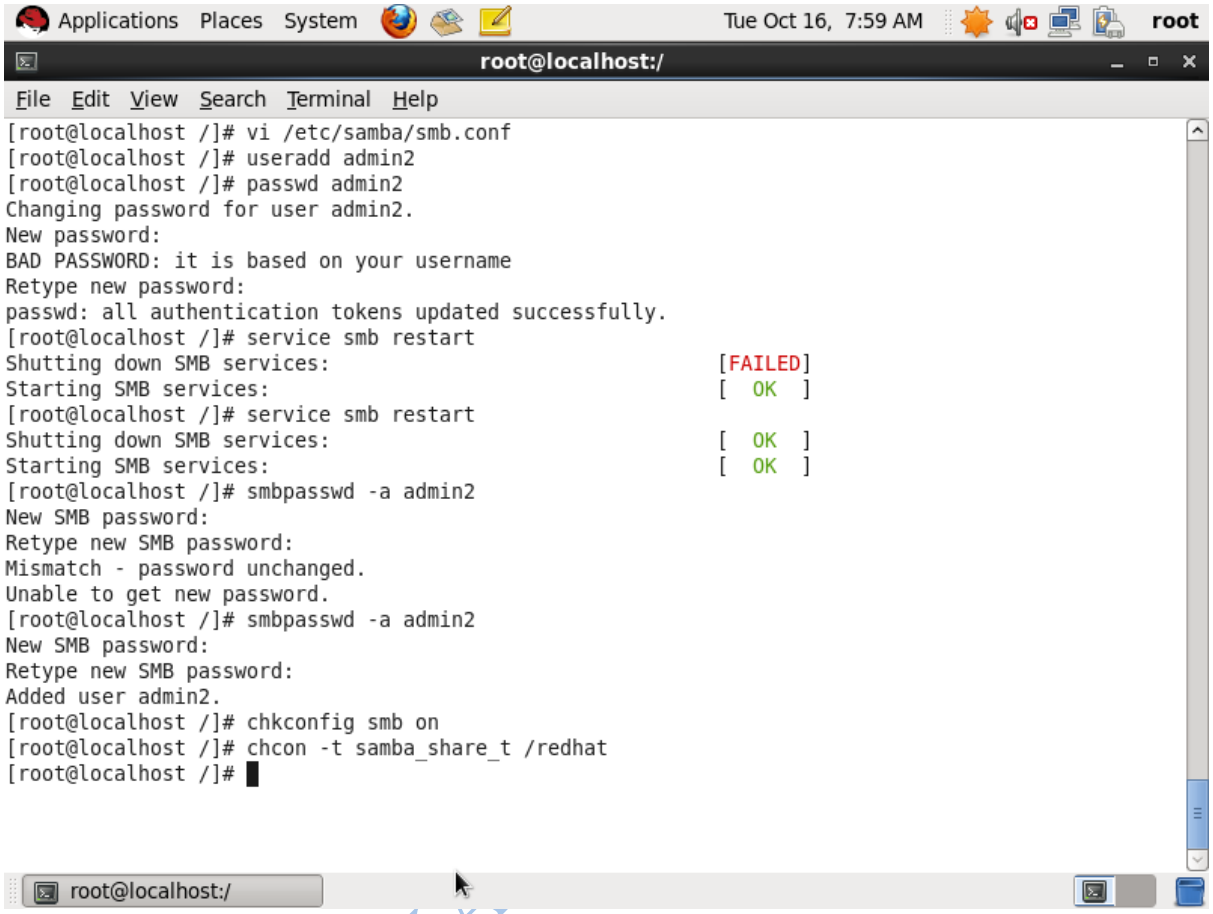
configure samba



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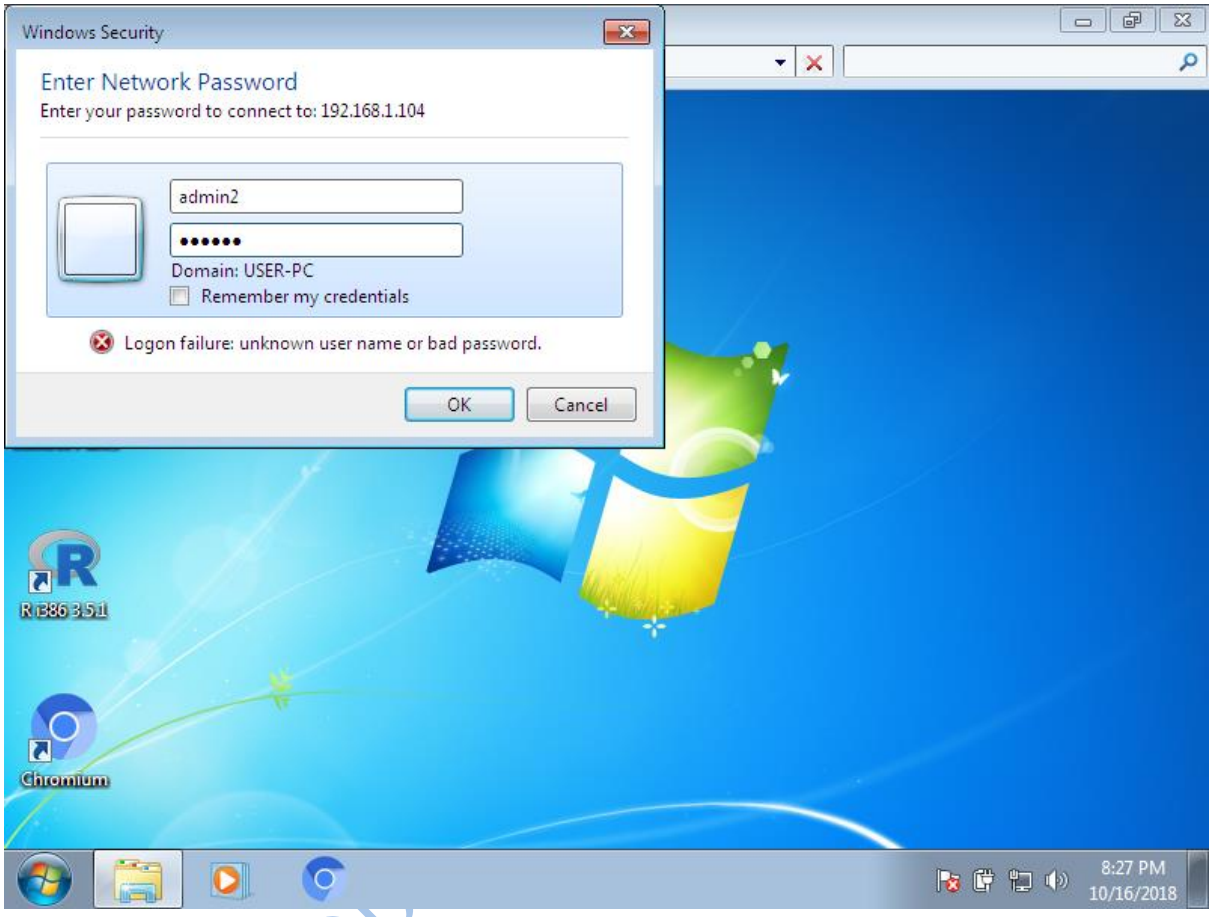
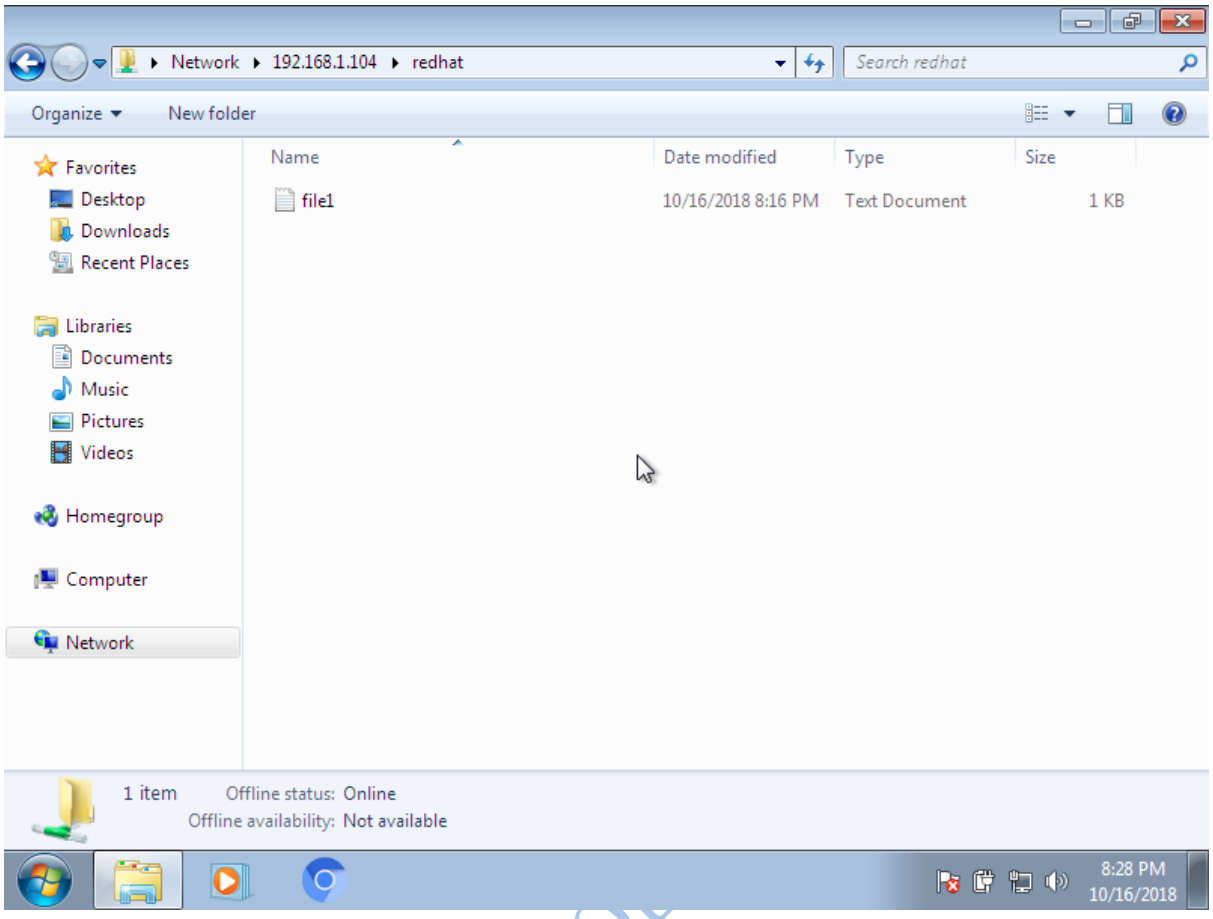
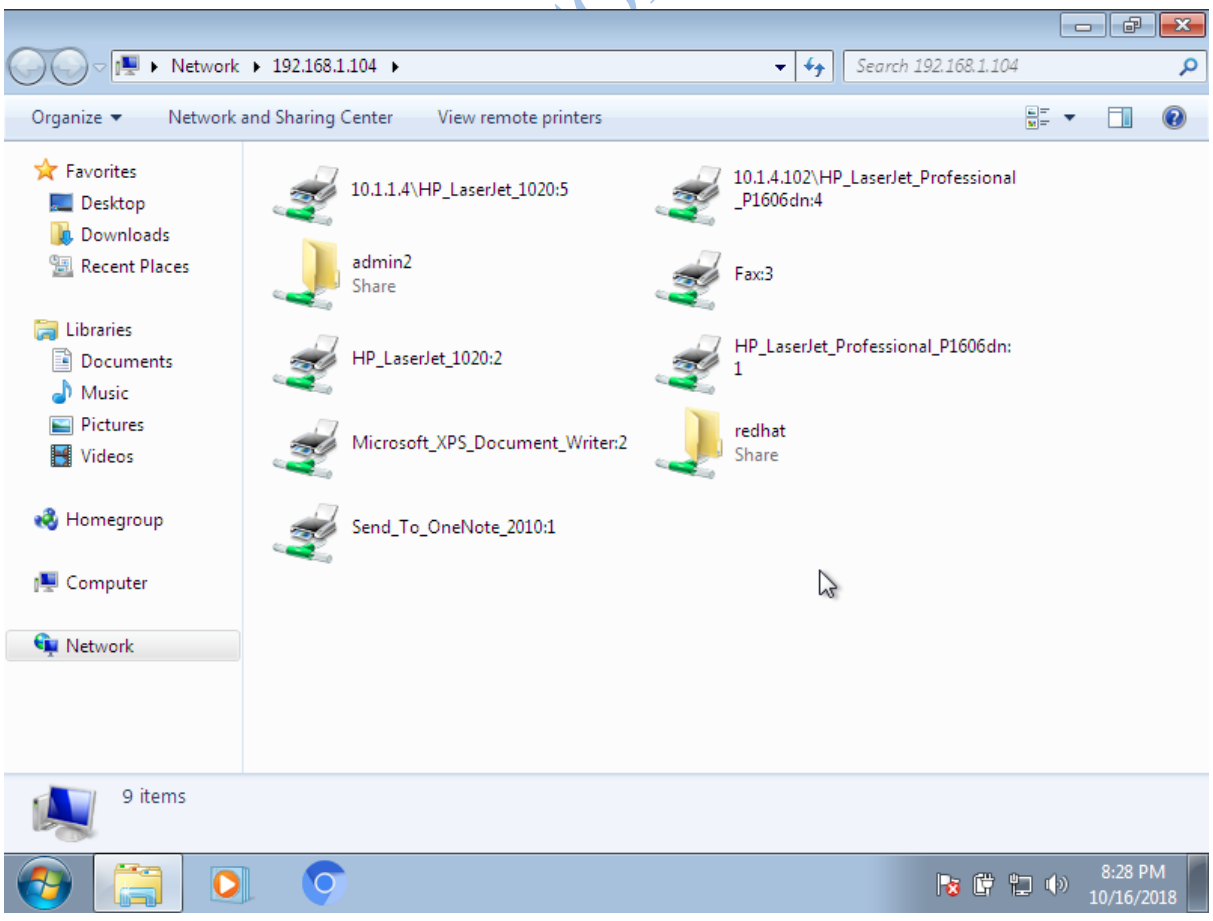
share on windows



B.N.BANDO

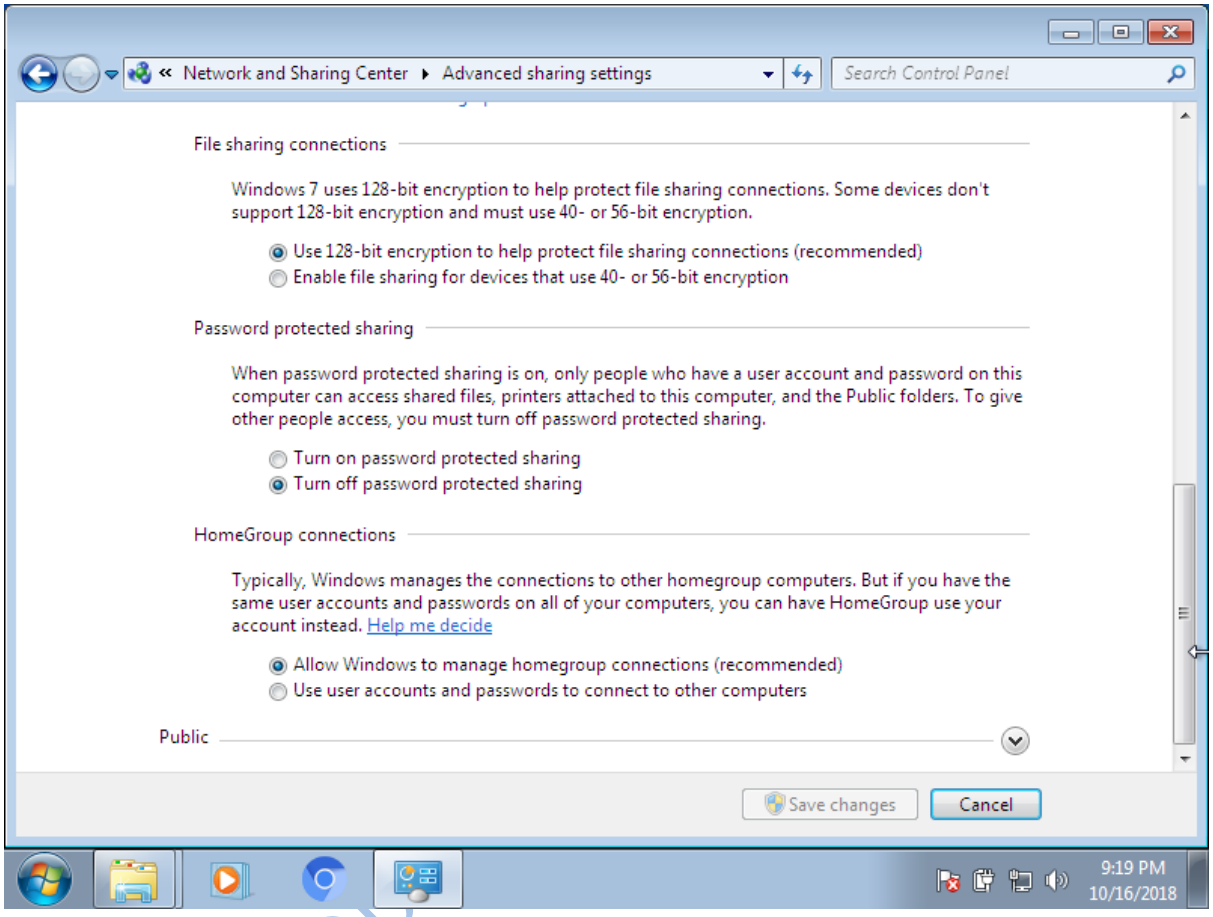

Network ▸ 192.168.1.104 ▸ redhat
Search redhat
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
Network
Name
Date modified
Type
Size
file1
10/16/2018 8:16 PM
Text Document
1 KB
1 item
Offline status: Online
Offline availability: Not available
8:28 PM
10/16/2018


Network ▸ 192.168.1.104 ▸
Search 192.168.1.104
Organize
Network and Sharing Center
View remote printers
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
Network
10.1.1.4\HP_LaserJet_1020:5
10.1.4.102\HP_LaserJet_Professional_P1606dn:4
admin2
Share
Fax:3
HP_LaserJet_1020:2
HP_LaserJet_Professional_P1606dn:1
Microsoft_XPS_Document_Writer:2
redhat
Share
Send_To_OneNote_2010:1
9 items
8:28 PM
10/16/2018

Samba share from windows to linux

Create folder in windows machine and click share it with everyone

Turn on file and printer sharing



Turn off password base sharing

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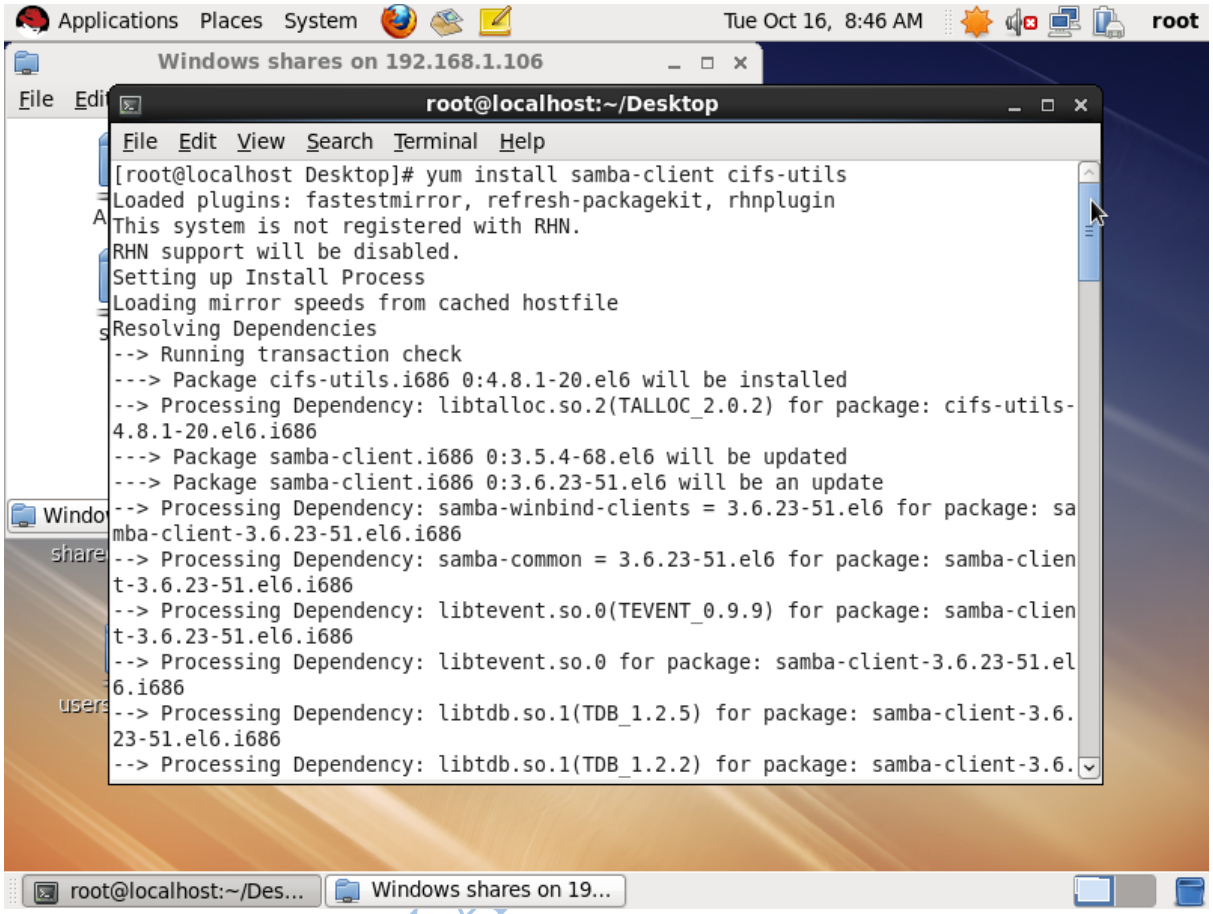
In linux –install samba client using following command

yum install samba-client cifs-utils



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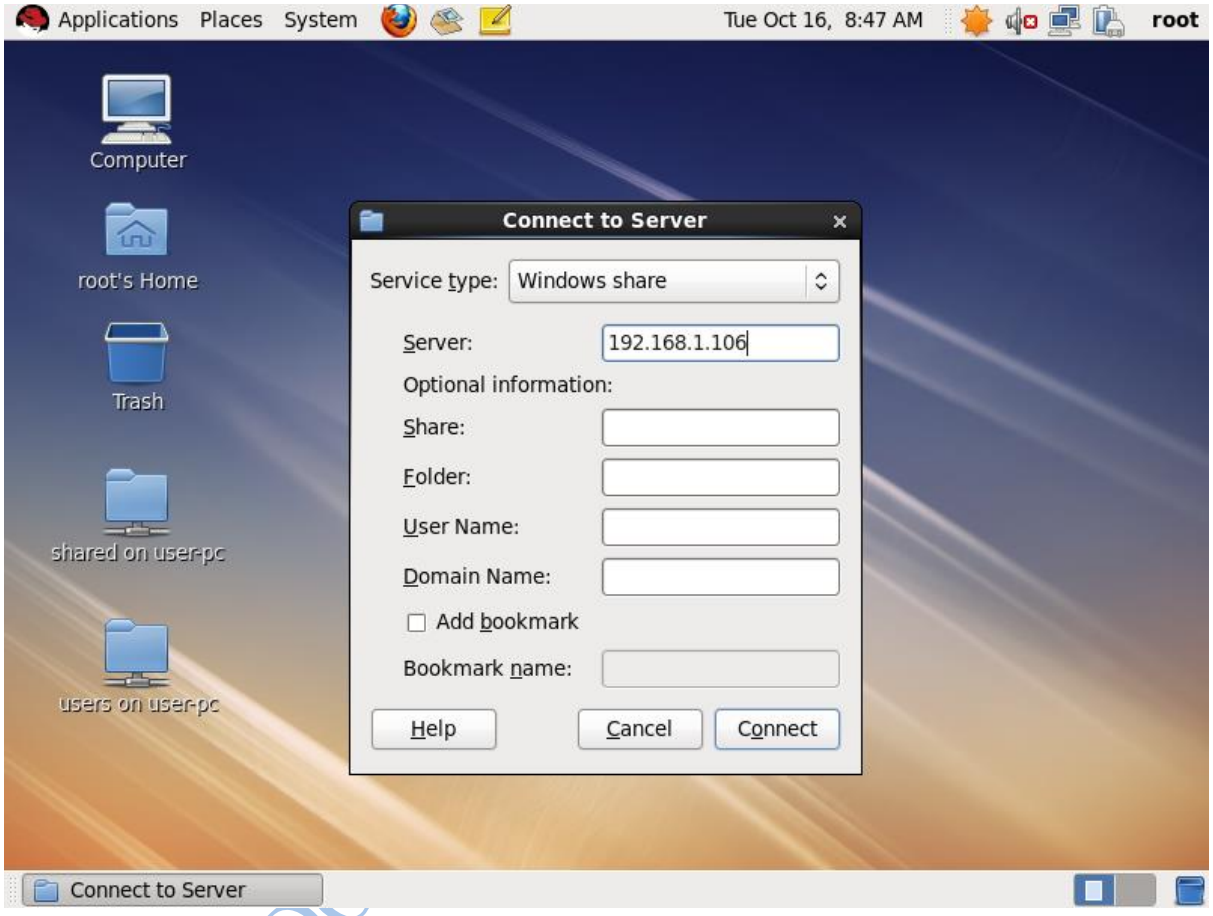
click on connect to network option in places tab

Enter the ip address of samba shared file on windows and click ok to connect



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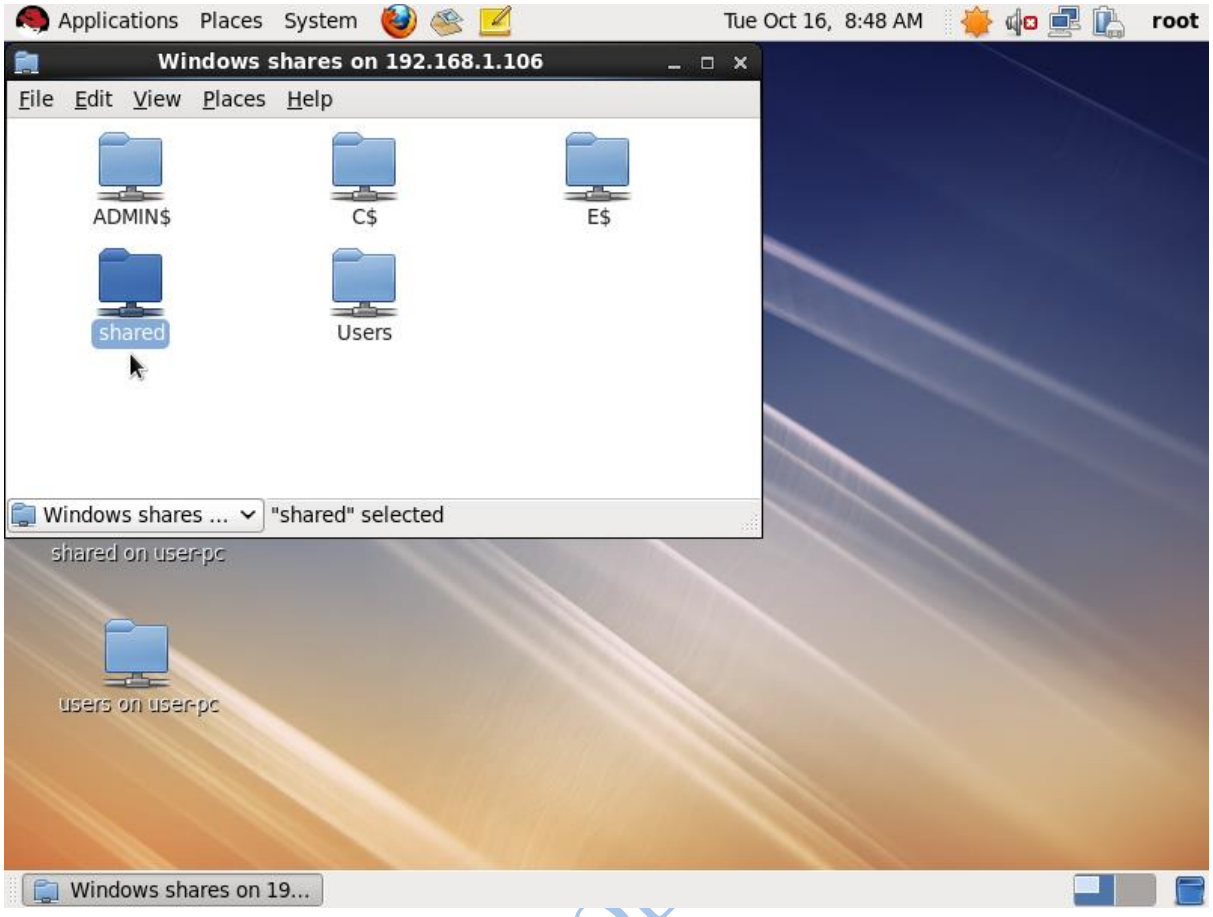
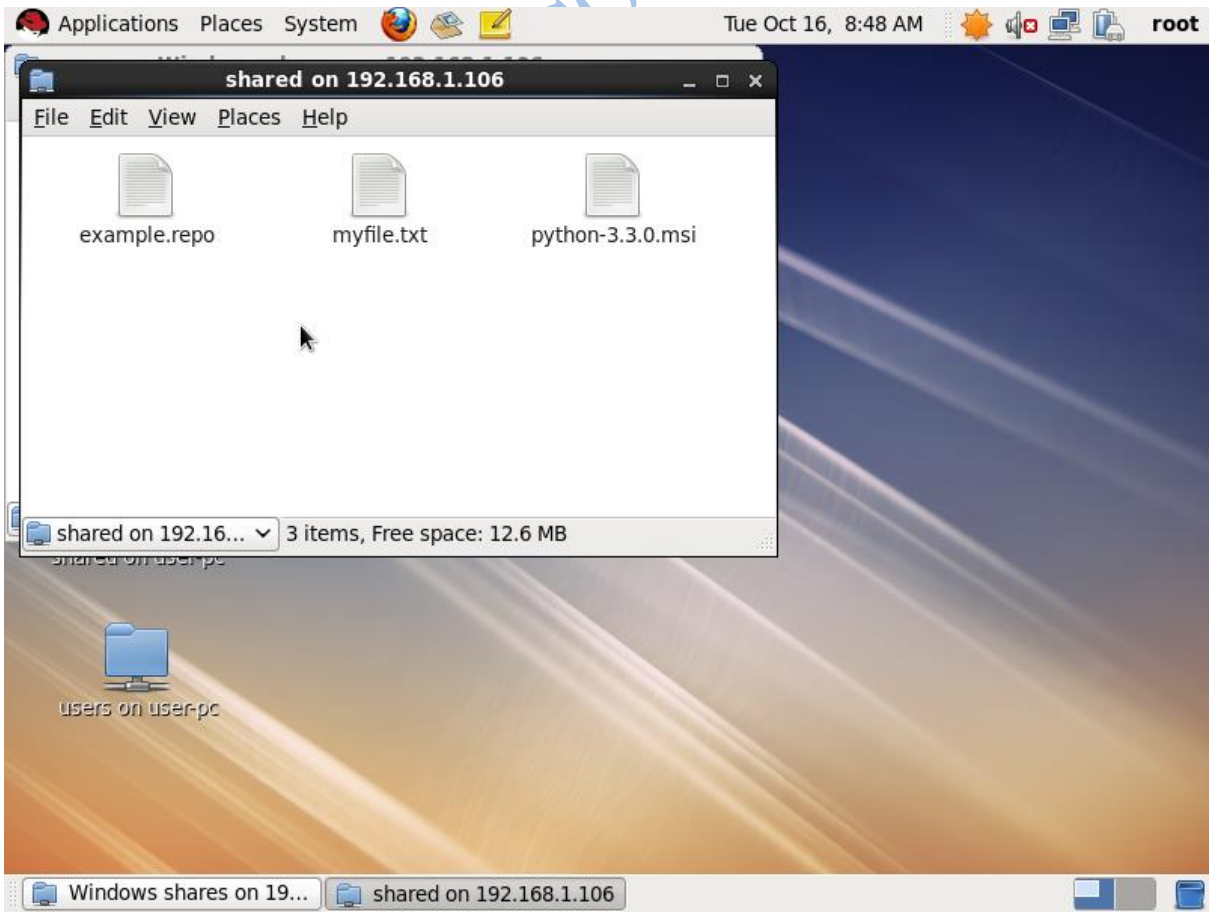
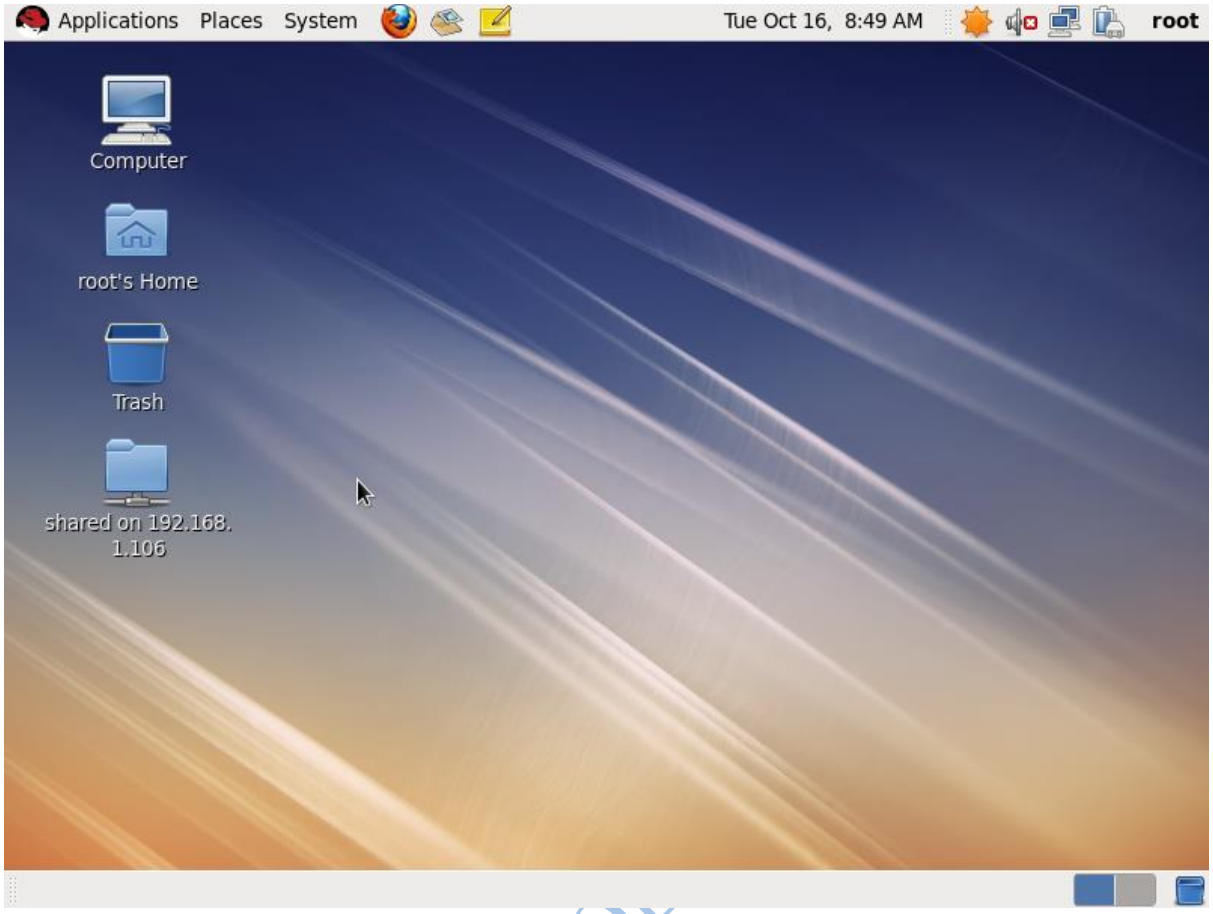

Applications Places System
Tue Oct 16, 8:48 AM
root
Windows shares on 192.168.1.106
File Edit View Places Help
ADMIN$
C$
E$
shared
Users
Windows shares ...
"shared" selected
shared on user-pc
users on user-pc
Windows shares on 19...


Applications Places System
Tue Oct 16, 8:48 AM
root
shared on 192.168.1.106
File Edit View Places Help
example.repo
myfile.txt
python-3.3.0.msi
shared on 192.16...
3 items, Free space: 12.6 MB
users on user-pc
Windows shares on 19...
shared on 192.168.1.106



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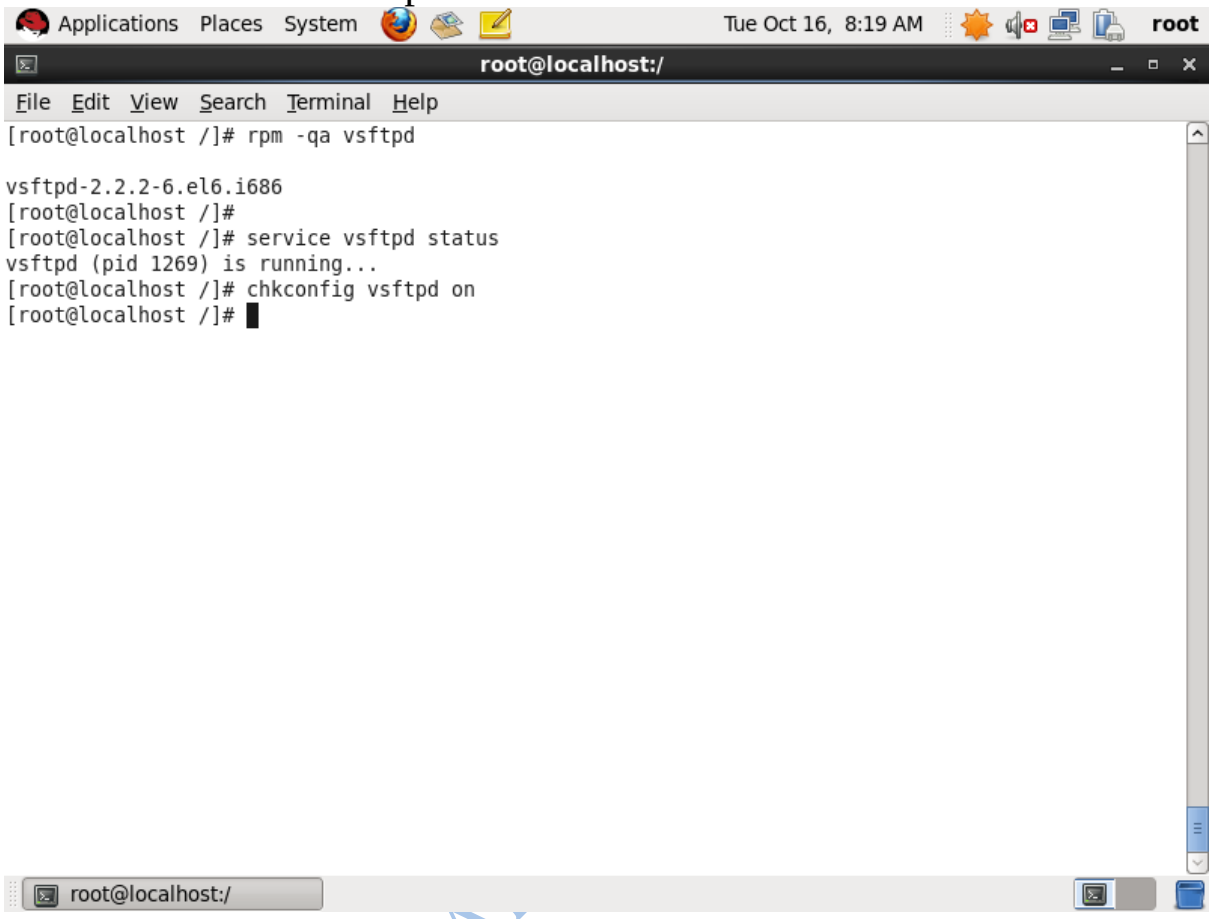
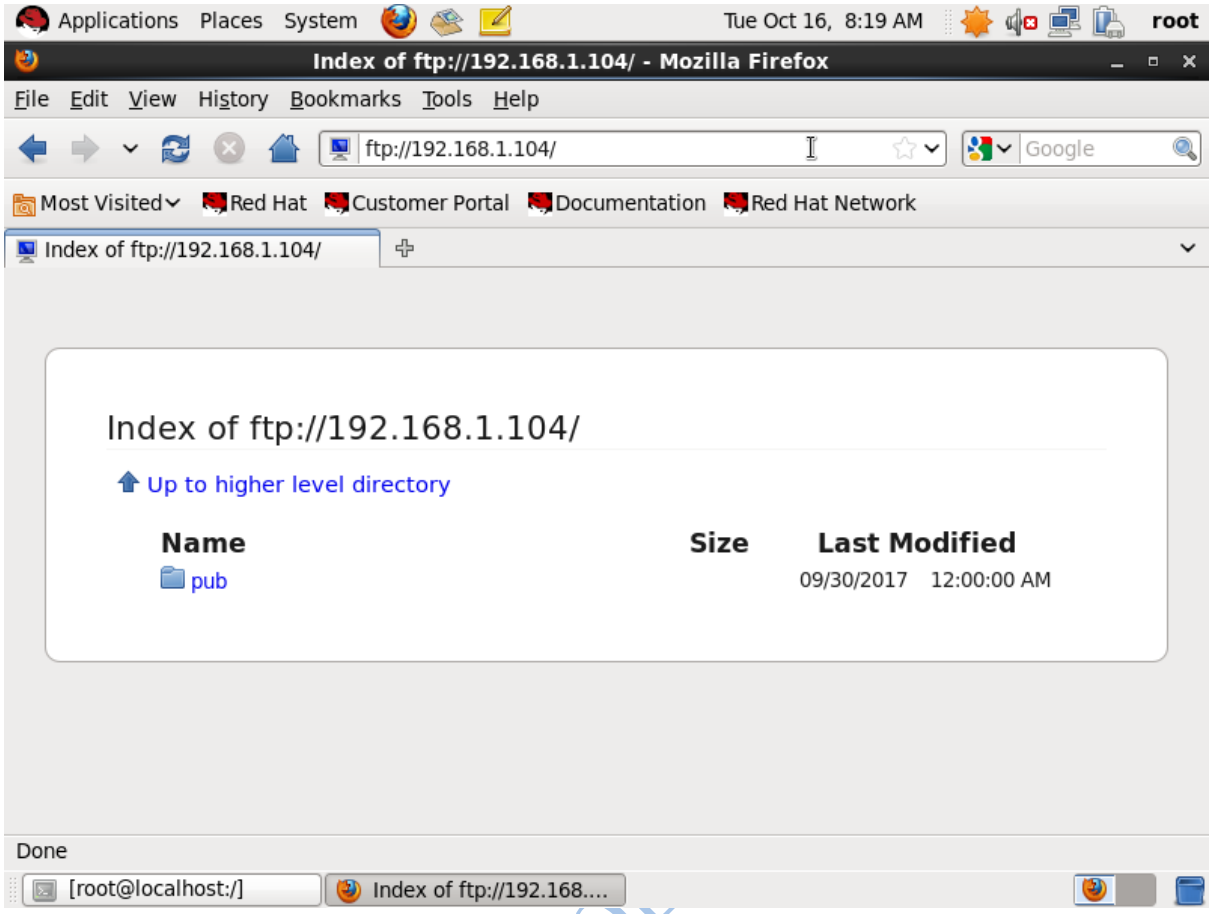
6C) Configuring FTP

Install and start the vsftpd services



B.N.BANDODKA



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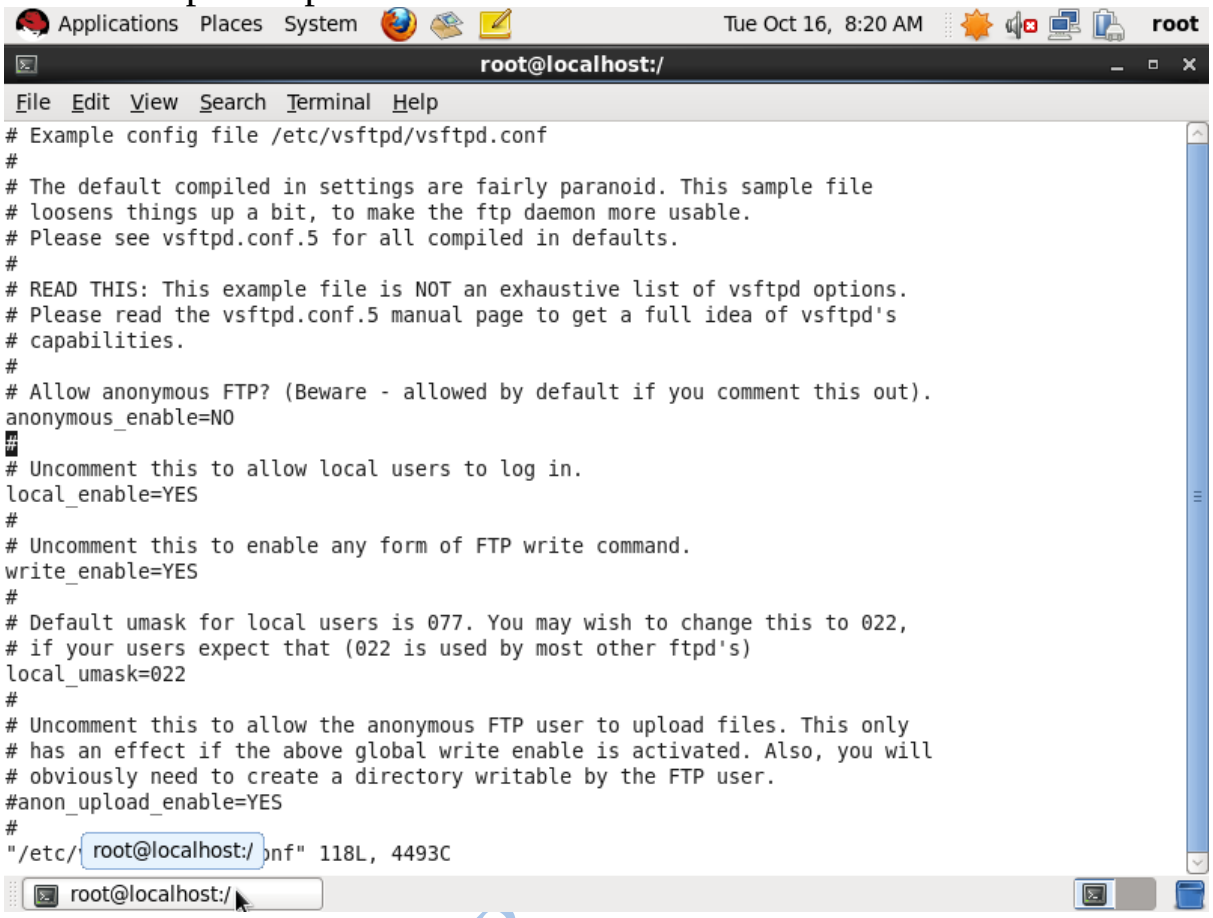
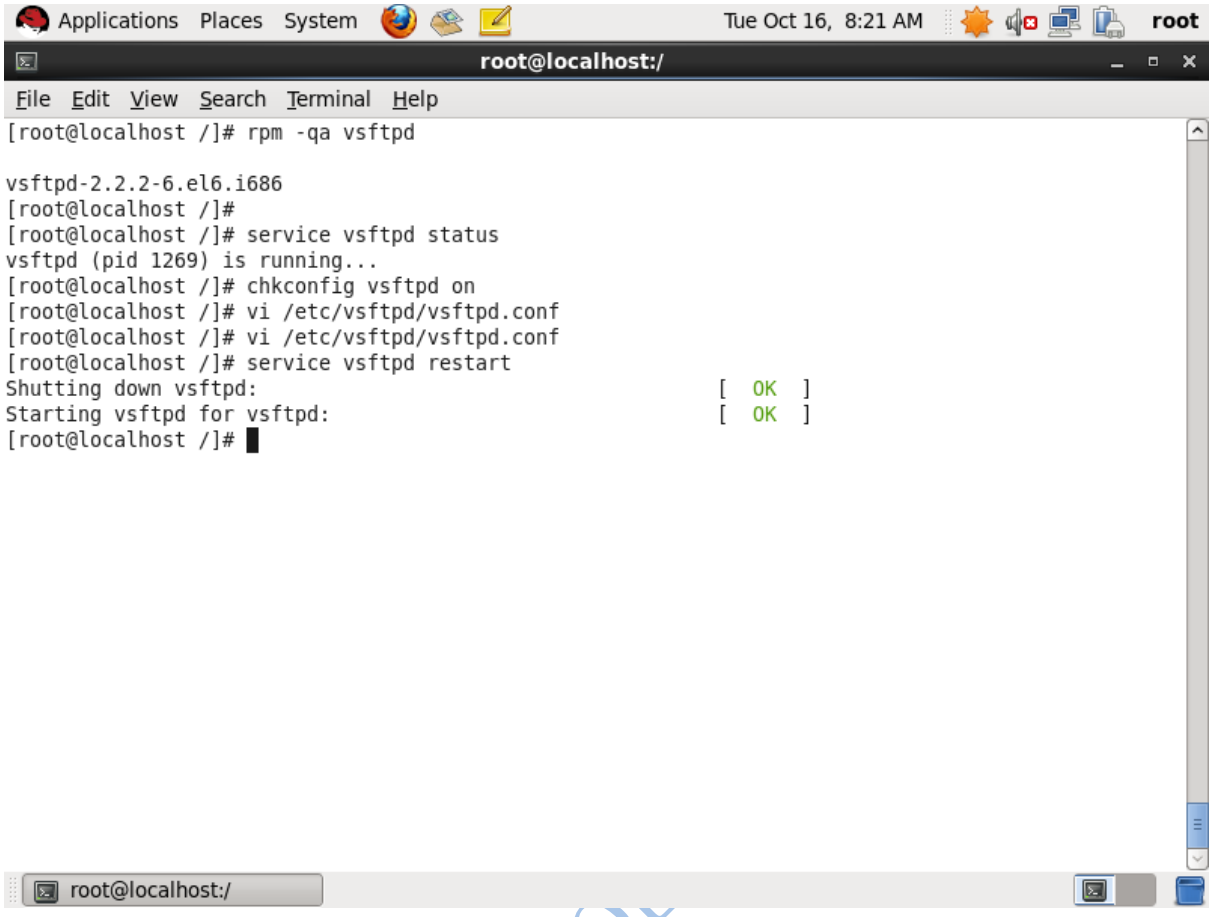
Configure using
vi /etc/vsftpd/vsftpd.conf



B.N.BANDODKAR



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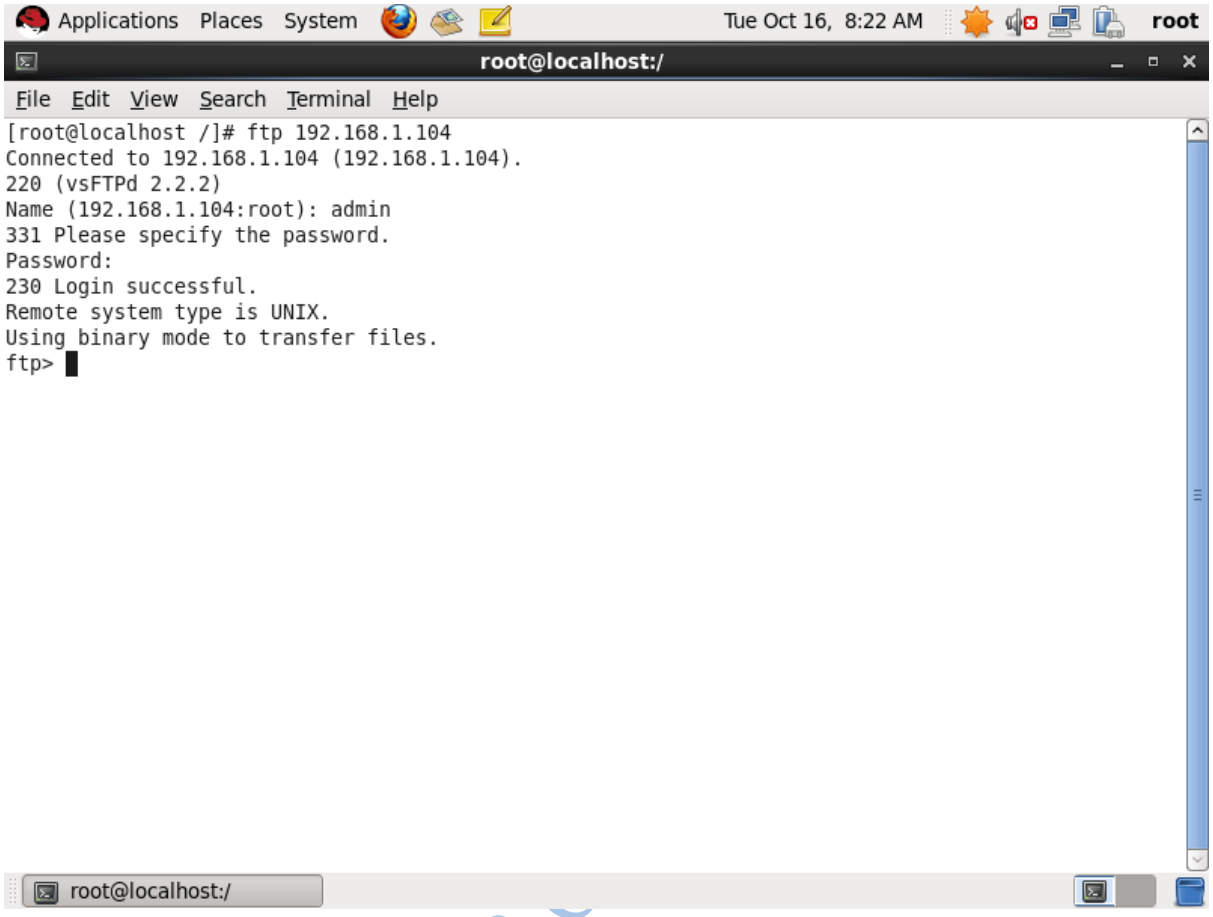
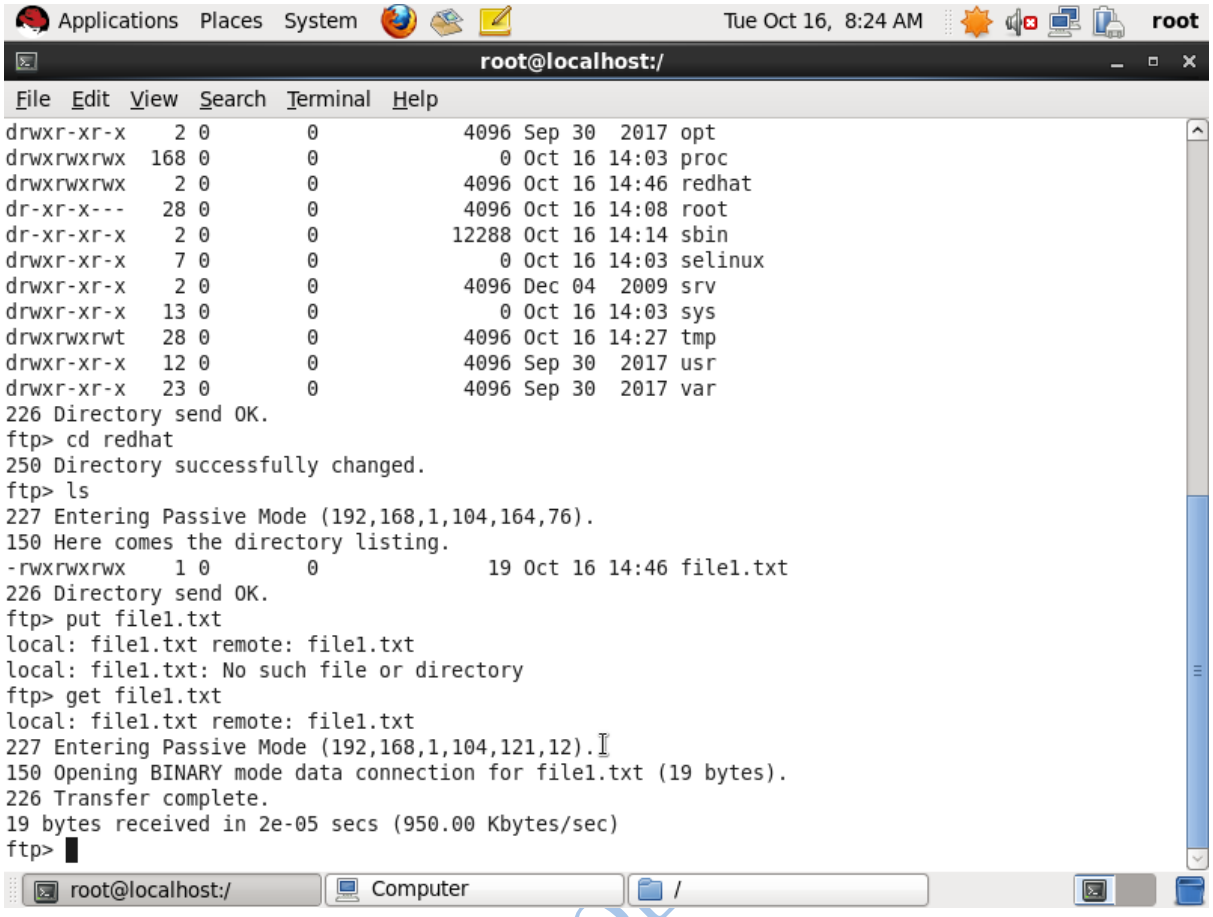
Login to ftp



B.N.BANDODKAR



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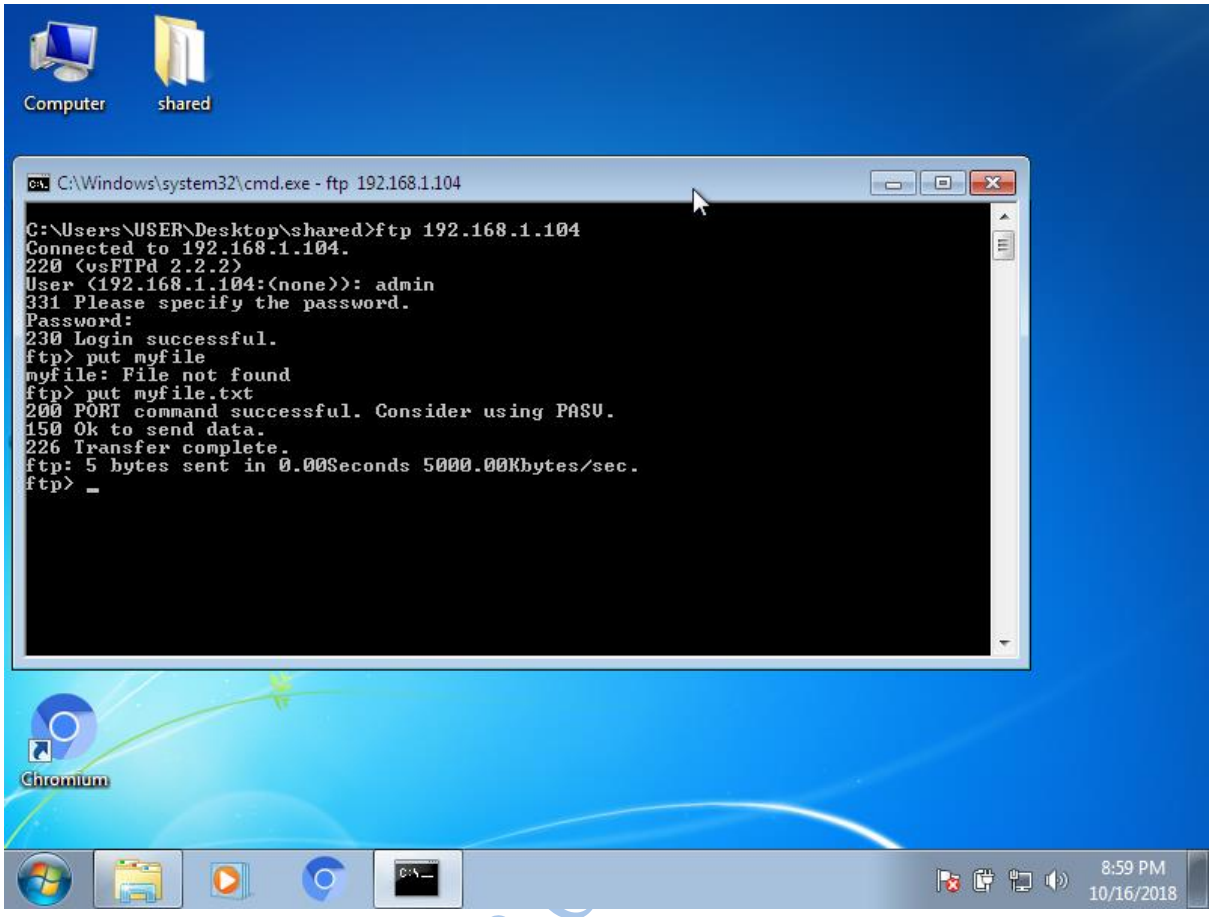
FTP on windows



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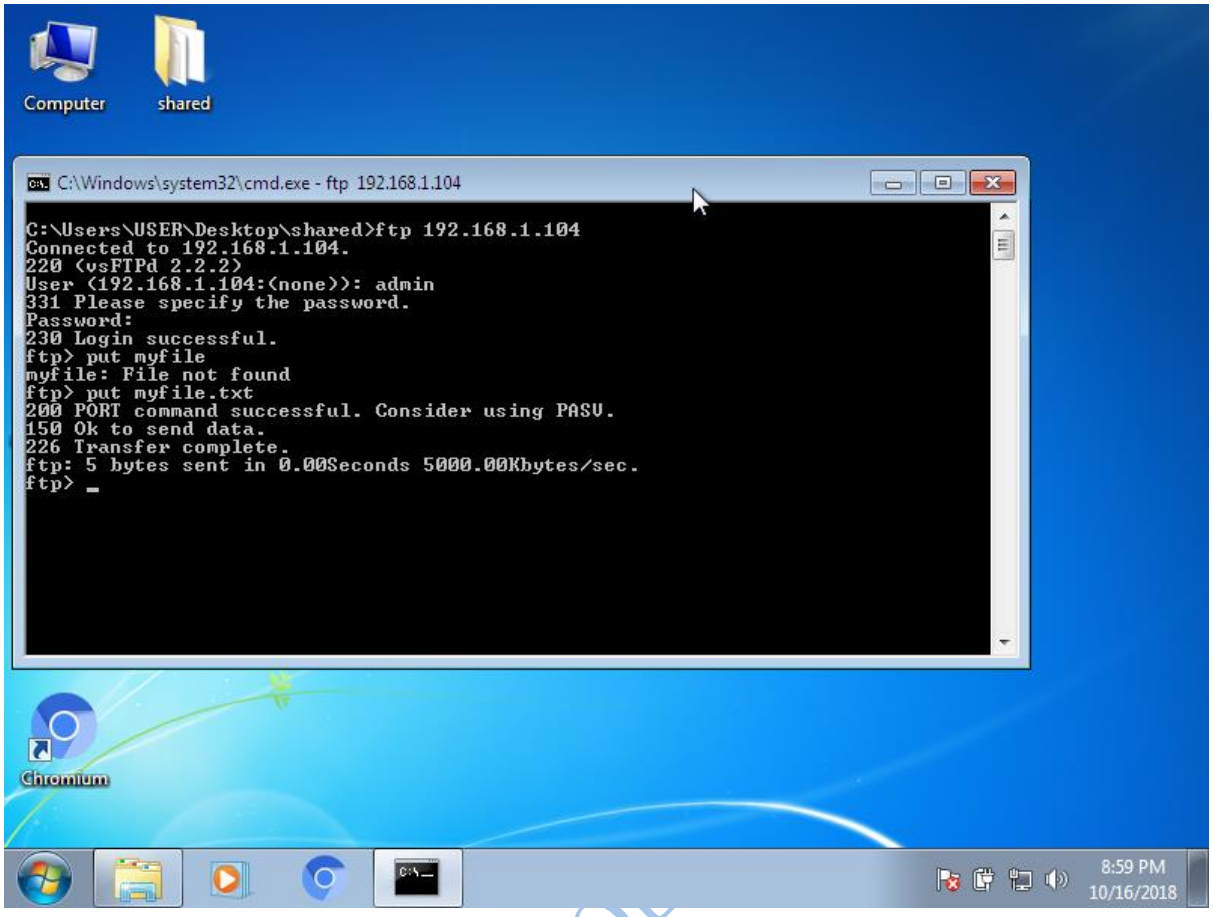

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