Assignment

Basic manipulation of files

Task description:

"It is necessary to do the following:

- *In your home directory, you should create a directory called "etc-files".*
- *From the /etc directory, copy all files that begin with the letter a, b, or c to the directory you created at the previous point in the task.*
- *Move the newly created etc-files directory from your home directory to the /tmp directory.*
- *Delete the /tmp/etc-files directory.*

“

Title: Linux Operating System

Module: Terminal

Student: Jovan Ljušić

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INTRODUCTORY REMARKS OF THE ASSIGNMENT

This document presents a step-by-step approach to solving a specific task, outlining the methodology, execution, and expected outcomes. By following the instructions, the reader will gain hands-on experience in applying technical concepts to practical situations, reinforcing both theoretical knowledge and problem-solving abilities.

The structured approach ensures that each step is clearly defined, making the process easy to follow and implement in professional environments.

When creating this task, it is very important to emphasize the basic steps before creating the task and what are the basic conditions that need to be met in order for the task to have an appropriate solution. In the use of virtualization of the Linux operating system, the Oracle Virtual Box application was used for virtualization on the Windows 10 operating system. The virtual environment in use is Debian and the following steps follow the following notes.

Other applications on the Linux operating system are:

- **Linux Terminal**
- **Thunar File Manager**
- **Command to root access the terminal "su –"**

The script of commands for accessing files and directories, displays the following contents:

- **Mkdir ~/etc-files**

(In this case, due to the previous exercise with directories, the name etc-file was used)

- **Cp /etc/[abc]* ~/etc-files (file)**
- **Mv ~/etc-files/tmp/ (file)**
- **Rm -r /tmp/etc-files (file)**

Mkdir – creates a directory

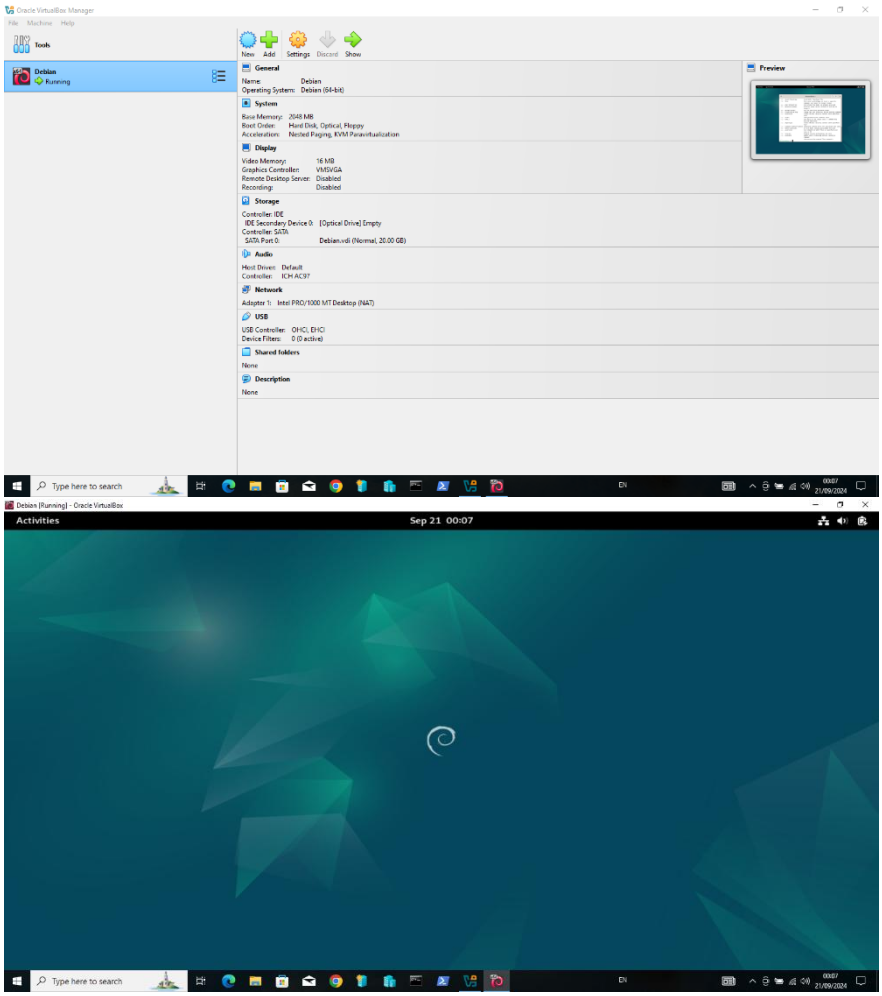
Cp – copies files

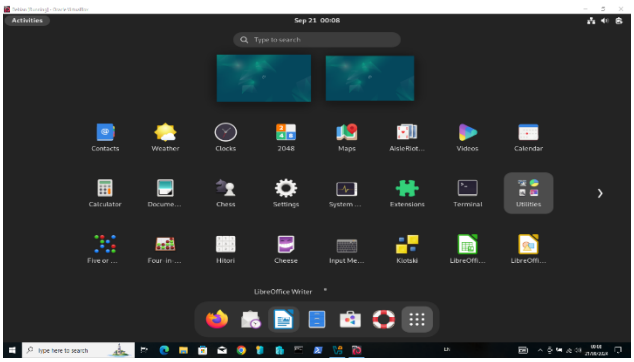
mv -moves directory

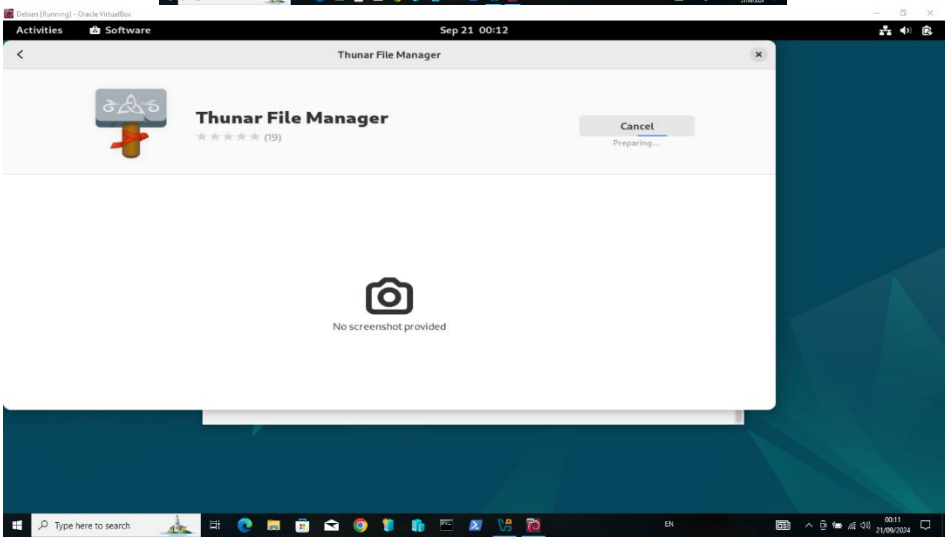
Rm – deletes the directory recursively

CREATING A DIRECTORY

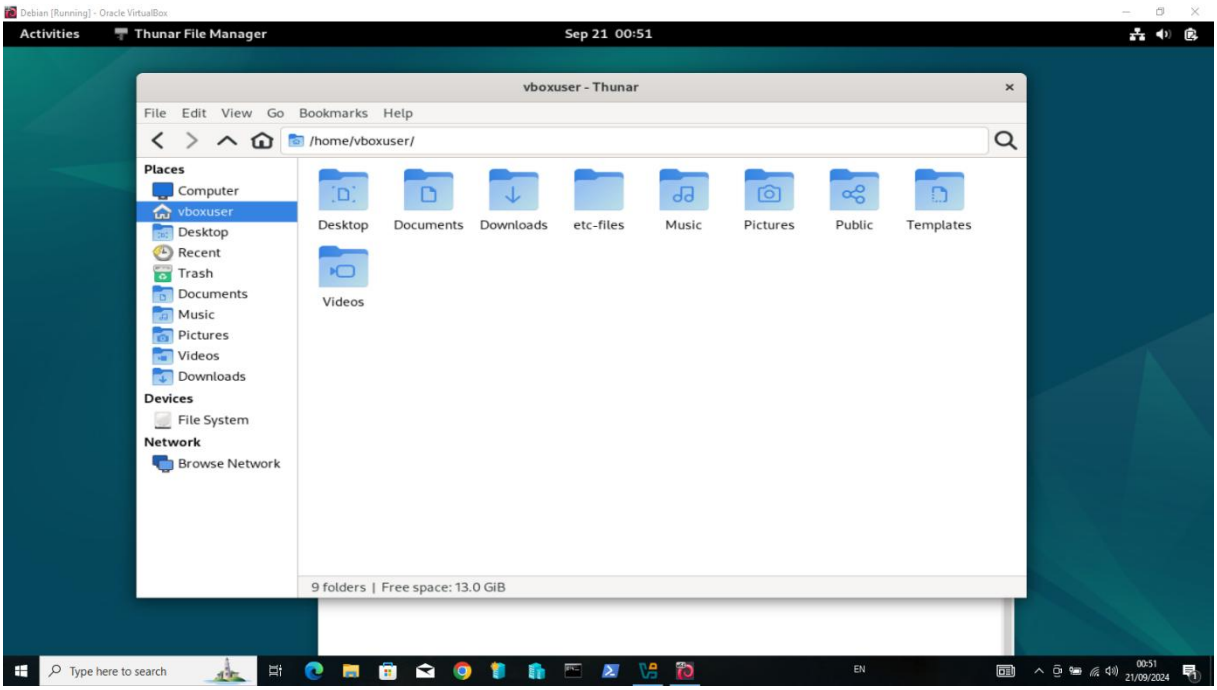
Through this title, a screenshot is shown with the settings of the virtual machine on the platform and the startup of the machine with the displayed graphical interface, also through a note the installation process of the Thunar application is shown, because by default it is not created on the operating system.



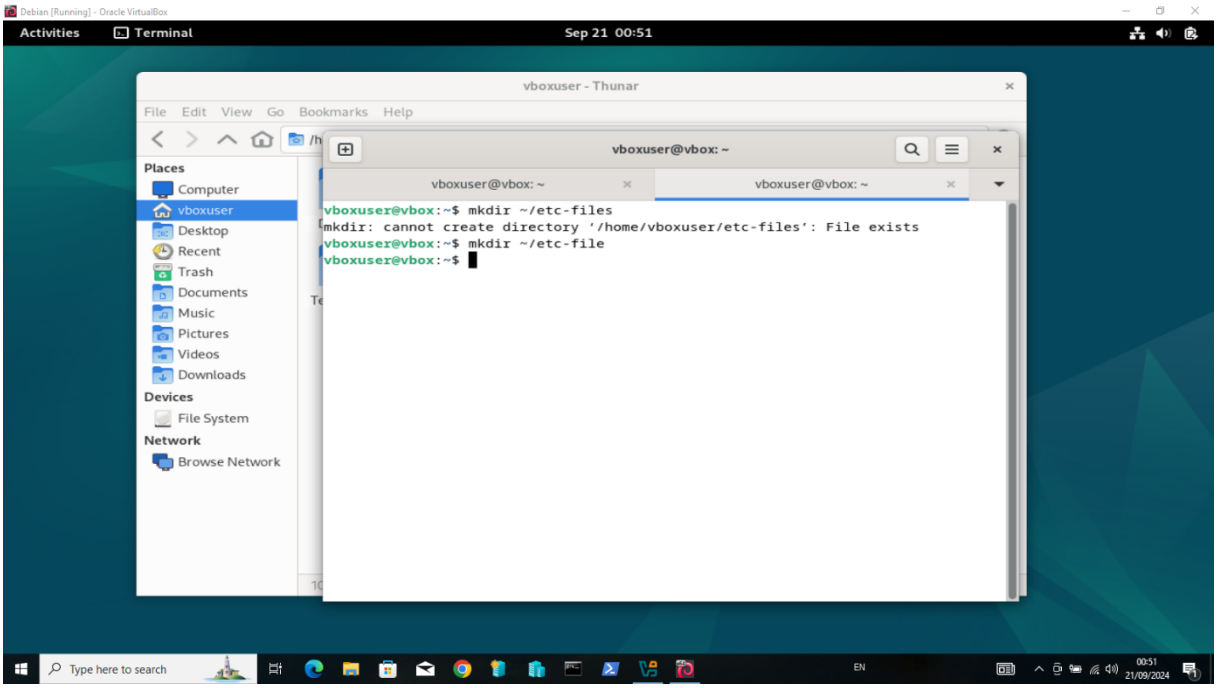




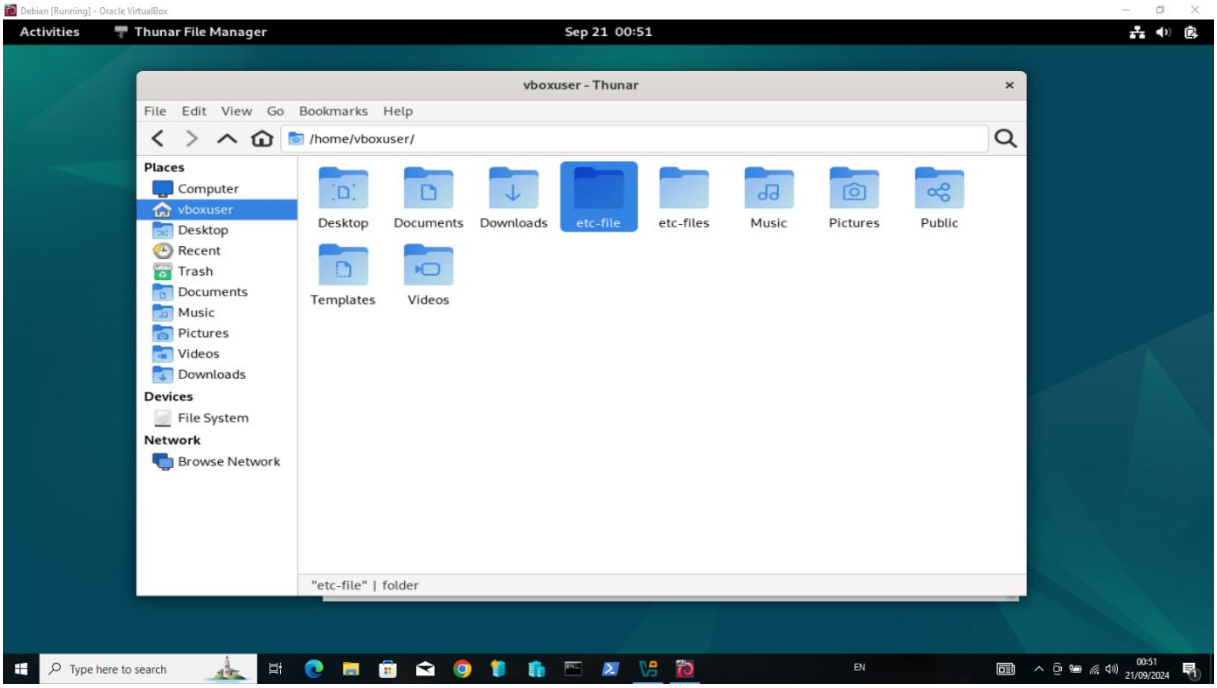
The next step is to start the terminal and create a directory:



In this screenshot, you can see that there is not a single directory created. This screenshot is for illustrative purposes, as it is not possible to visually represent the directory through the terminal.



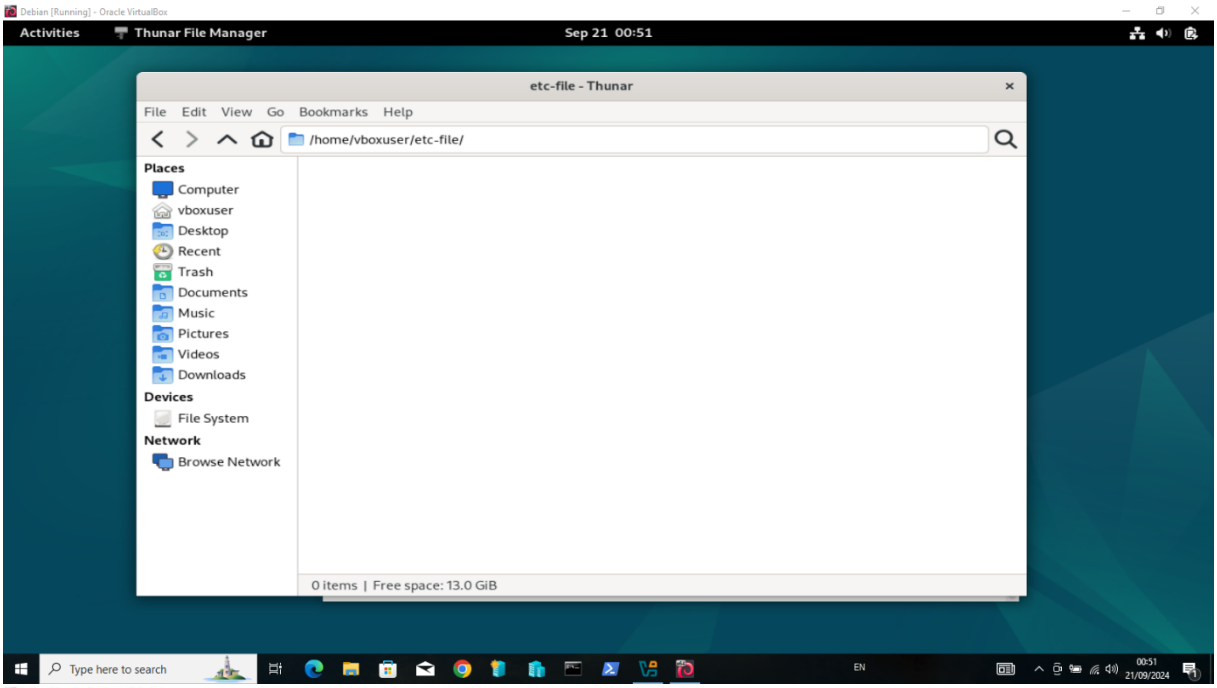
Here is the command that started and created the directory at the home destination, to make the display simpler, the following screenshot will show where the directory is actually placed.

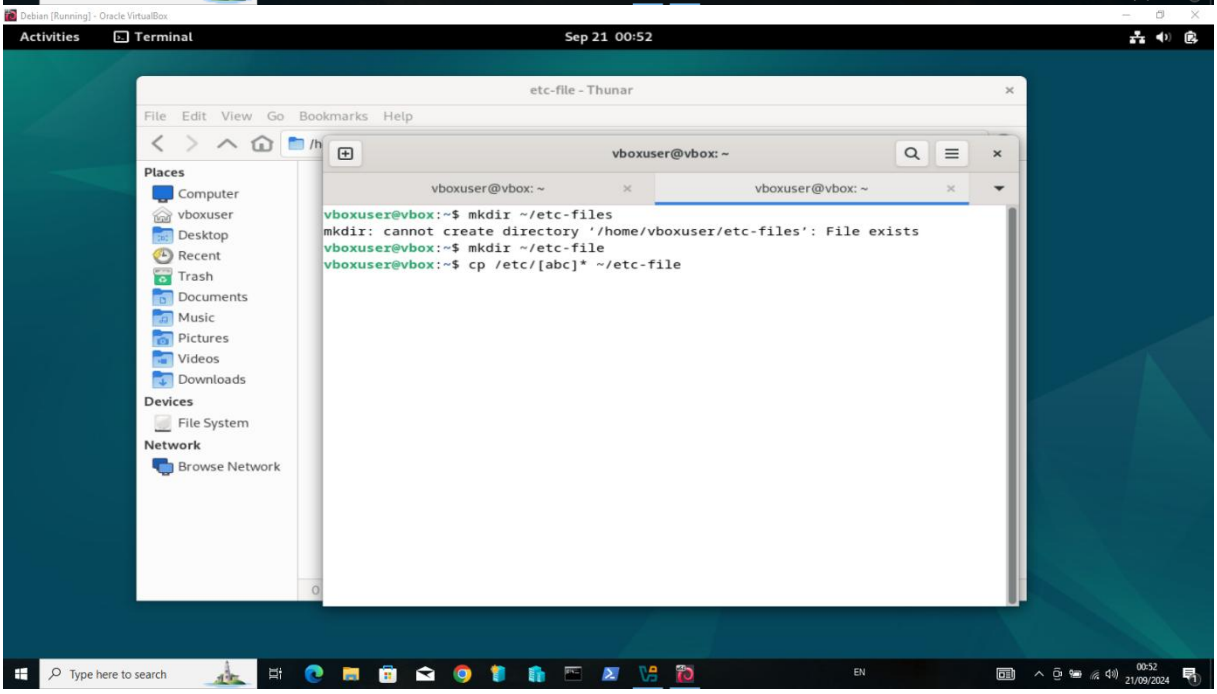


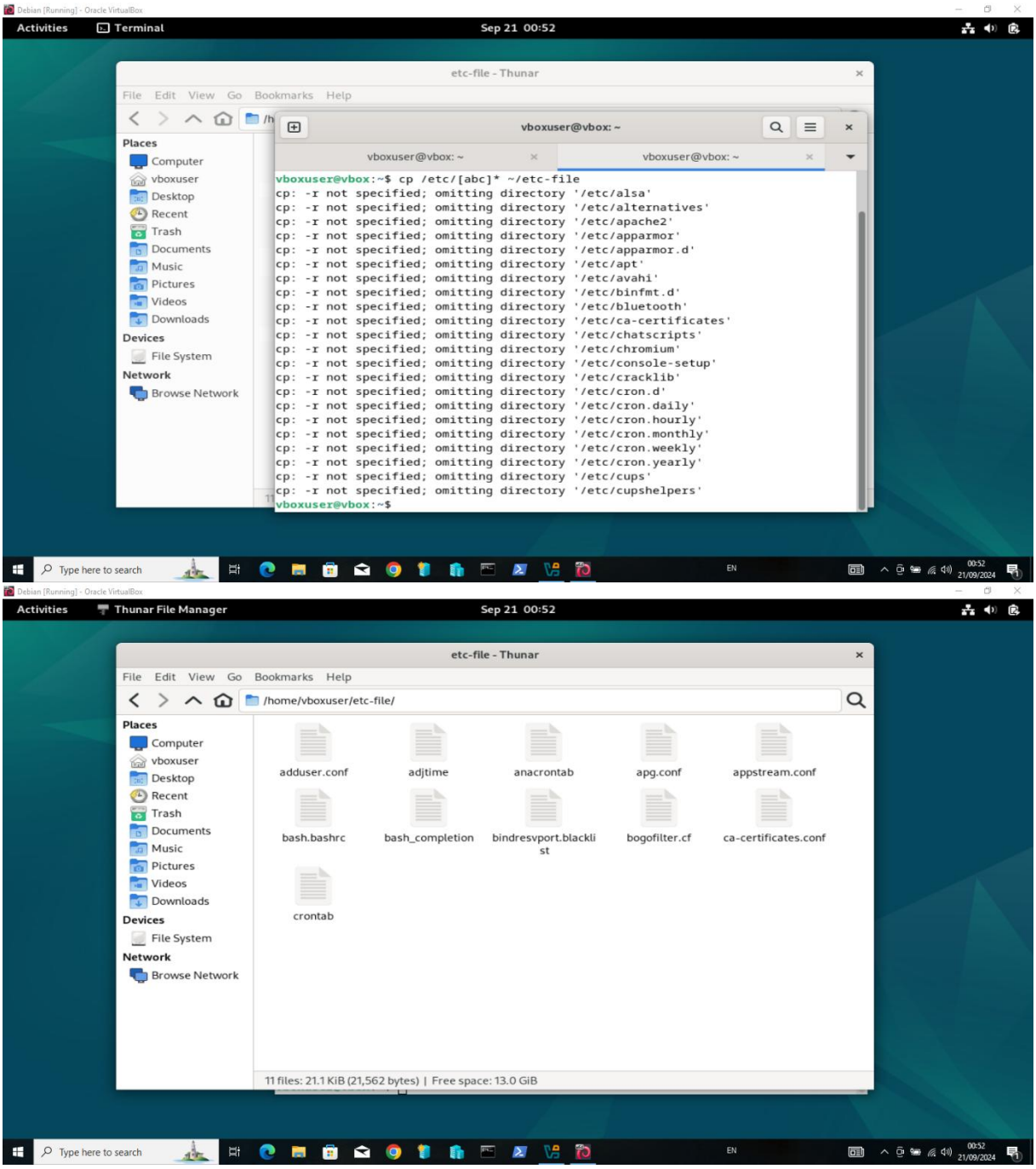
The mkdir command creates a directory in the etc-file in the home directory, ~ this symbol represents the home directory.

Through the next heading, copying files from the directory will be presented.

COPYING OF FILES FROM A DIRECTORY



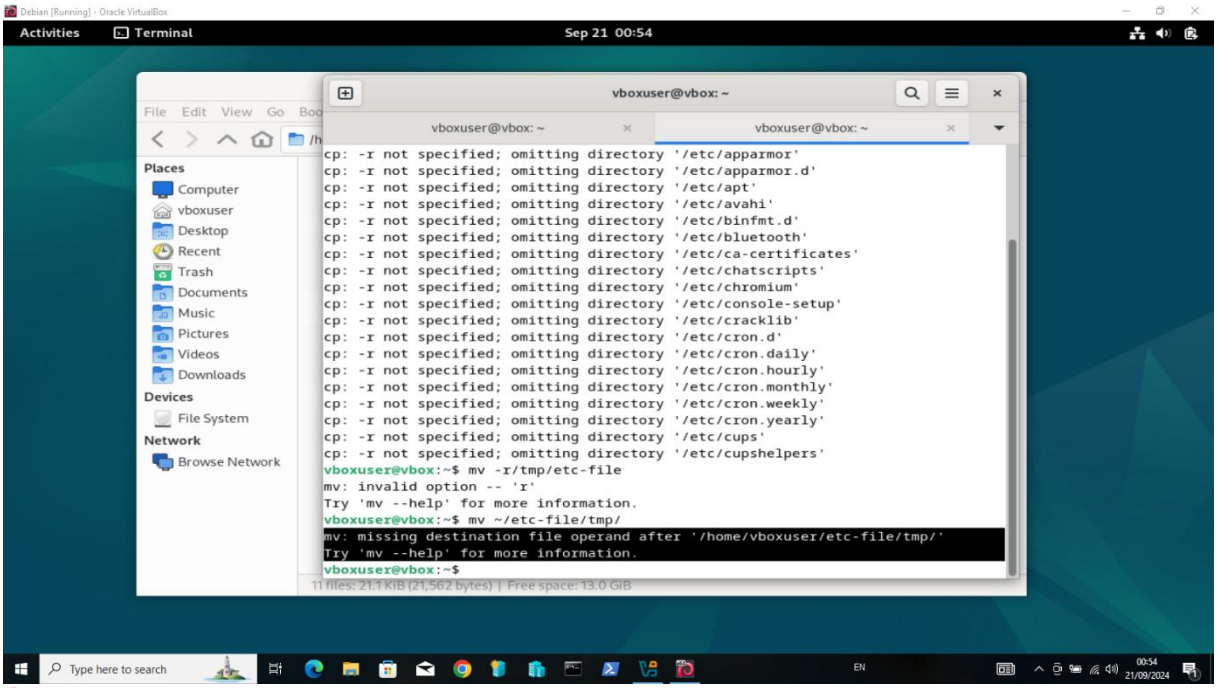


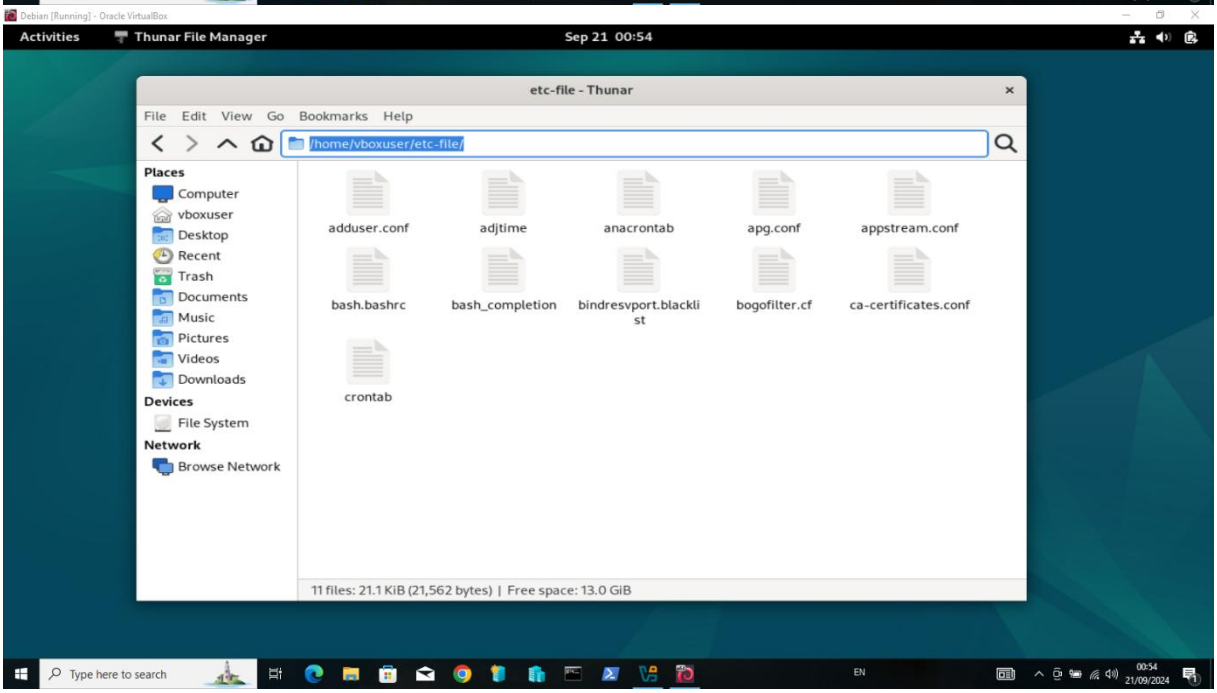


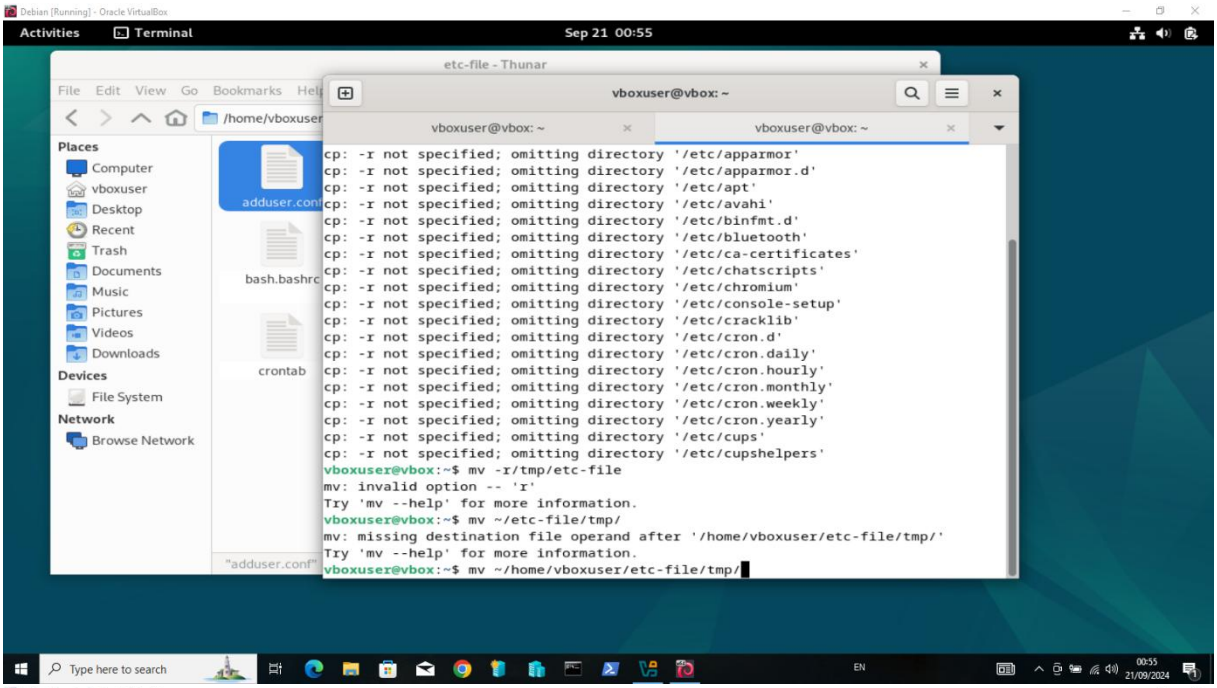
This command is an obvious function that is performed in the terminal.

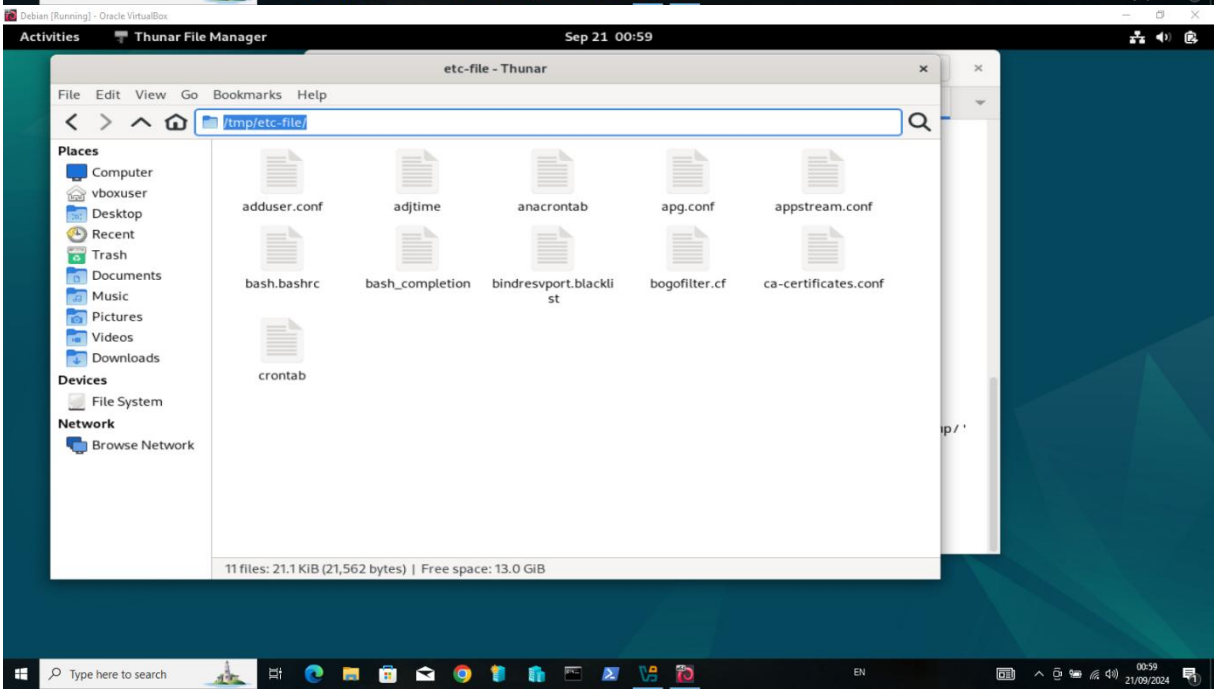
The command copies all files from the etc directories that begin with the letter a, b, or c to the etc-files directory. Also, the designation "abc" indicates any record, but for the purposes of the task in use, they have already been presented.

MOVING TO THE TMP DIRECTORY

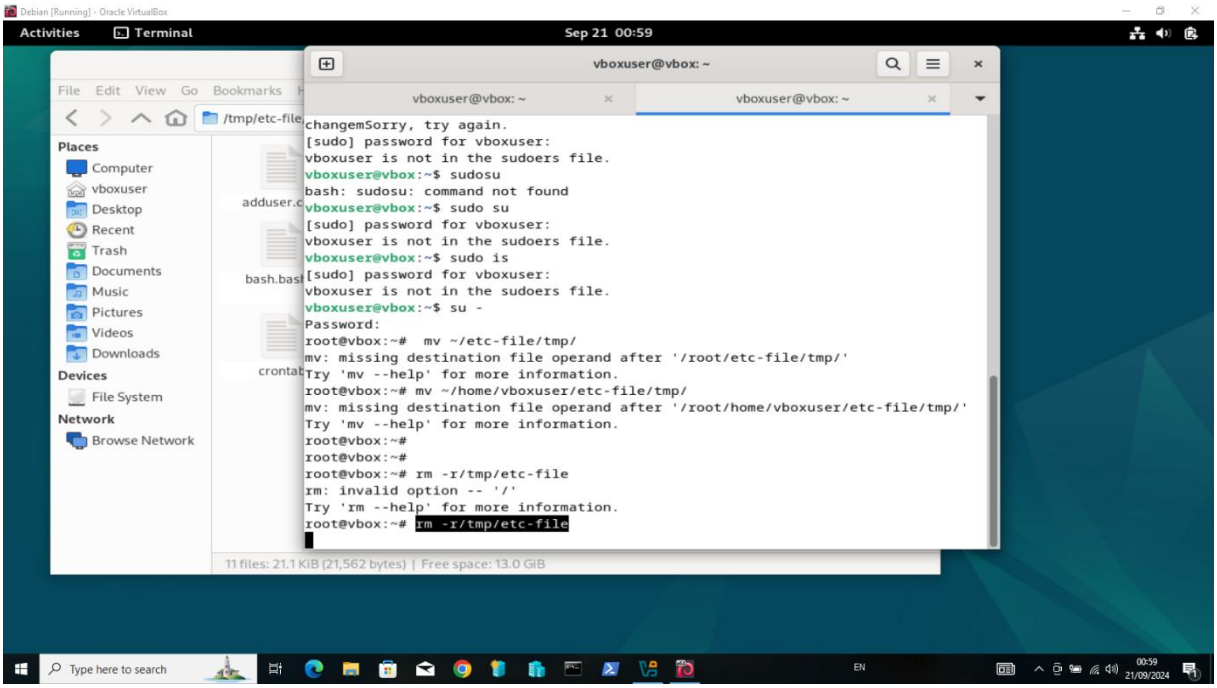


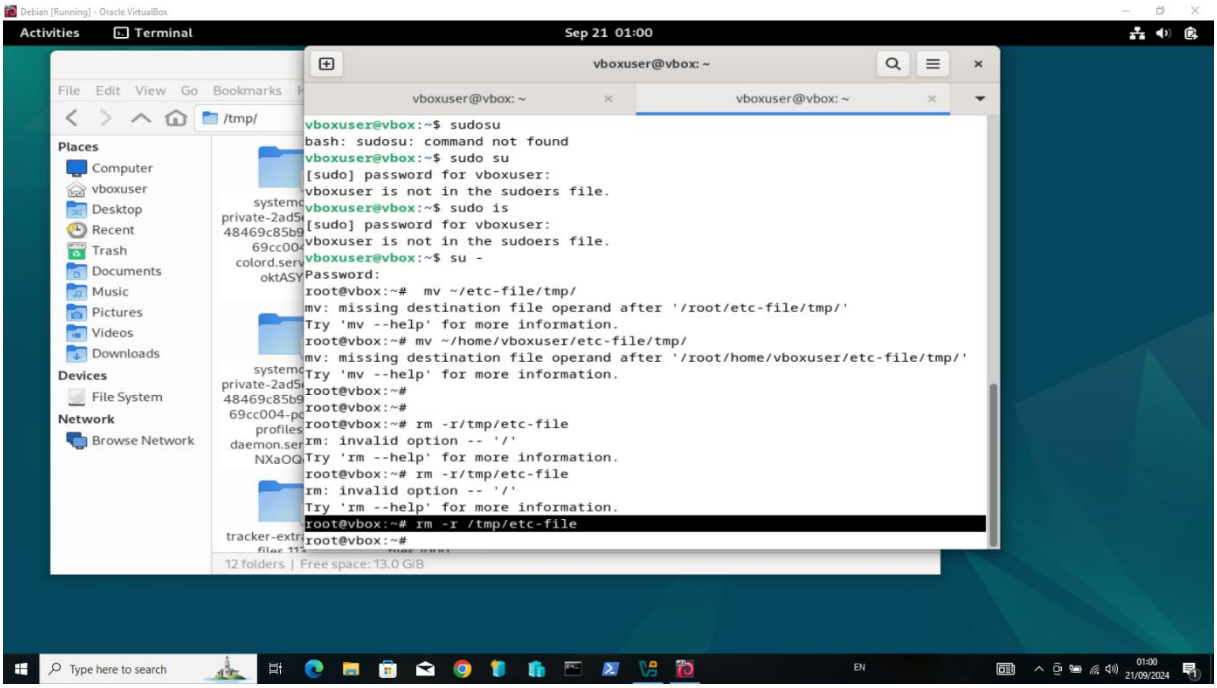


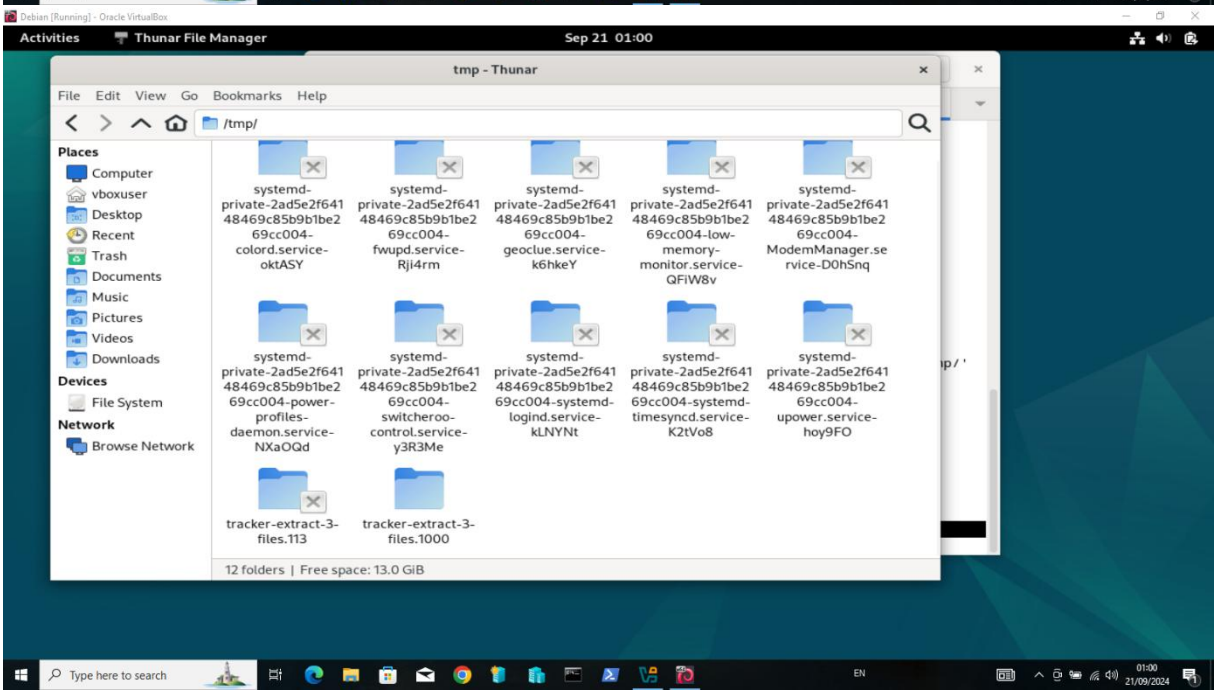

Activities
Terminal
Sep 21 00:55
etc-file - Thunar
File Edit View Go Bookmarks Help
/home/vboxuser
Places
Computer
vboxuser
Desktop
Recent
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
adduser.conf
bash.bashrc
crontab
"adduser.conf"
vboxuser@vbox: ~
vboxuser@vbox: ~
vboxuser@vbox: ~
cp: -r not specified; omitting directory '/etc/apparmor'
cp: -r not specified; omitting directory '/etc/apparmor.d'
cp: -r not specified; omitting directory '/etc/apt'
cp: -r not specified; omitting directory '/etc/avahi'
cp: -r not specified; omitting directory '/etc/binfmt.d'
cp: -r not specified; omitting directory '/etc/bluetooth'
cp: -r not specified; omitting directory '/etc/ca-certificates'
cp: -r not specified; omitting directory '/etc/chatscripts'
cp: -r not specified; omitting directory '/etc/chromium'
cp: -r not specified; omitting directory '/etc/console-setup'
cp: -r not specified; omitting directory '/etc/cracklib'
cp: -r not specified; omitting directory '/etc/cron.d'
cp: -r not specified; omitting directory '/etc/cron.daily'
cp: -r not specified; omitting directory '/etc/cron.hourly'
cp: -r not specified; omitting directory '/etc/cron.monthly'
cp: -r not specified; omitting directory '/etc/cron.weekly'
cp: -r not specified; omitting directory '/etc/cron.yearly'
cp: -r not specified; omitting directory '/etc/cups'
cp: -r not specified; omitting directory '/etc/cupshelpers'
vboxuser@vbox:~$ mv -r/tmp/etc-file
mv: invalid option -- 'r'
Try 'mv --help' for more information.
vboxuser@vbox:~$ mv ~/etc-file/tmp/
mv: missing destination file operand after '/home/vboxuser/etc-file/tmp/'
Try 'mv --help' for more information.
vboxuser@vbox:~$ mv ~/home/vboxuser/etc-file/tmp/
Type here to search
EN
00:55
21/09/2024


Activities
Thunar File Manager
Sep 21 00:59
etc-file - Thunar
File Edit View Go Bookmarks Help
/tmp/etc-file/
Places
Computer
vboxuser
Desktop
Recent
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
adduser.conf
adjtime
anacrontab
apg.conf
appstream.conf
bash.bashrc
bash_completion
bindresvport.blacklist
bogofilter.cf
ca-certificates.conf
crontab
11 files: 21.1 KiB (21,562 bytes) | Free space: 13.0 GiB
Type here to search
EN
00:59
21/09/2024

DELETING A DIRECTORY




Debian [Running] - Oracle VirtualBox
Activities
Terminal
Sep 21 01:00
vboxuser@vbox: ~
vboxuser@vbox: ~
vboxuser@vbox: ~
File Edit View Go Bookmarks
/tmp/
Places
Computer
vboxuser
Desktop
Recent
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
vboxuser@vbox:~$ sudosu
bash: sudosu: command not found
vboxuser@vbox:~$ sudo su
[sudo] password for vboxuser:
vboxuser is not in the sudoers file.
vboxuser@vbox:~$ sudo is
[sudo] password for vboxuser:
vboxuser is not in the sudoers file.
vboxuser@vbox:~$ su -
Password:
root@vbox:~# mv ~/etc-file/tmp/
mv: missing destination file operand after '/root/etc-file/tmp/'
Try 'mv --help' for more information.
root@vbox:~# mv ~/home/vboxuser/etc-file/tmp/
mv: missing destination file operand after '/root/home/vboxuser/etc-file/tmp/'
Try 'mv --help' for more information.
root@vbox:~#
root@vbox:~#
root@vbox:~# rm -r/tmp/etc-file
rm: invalid option -- '/'
Try 'rm --help' for more information.
root@vbox:~# rm -r/tmp/etc-file
rm: invalid option -- '/'
Try 'rm --help' for more information.
root@vbox:~# rm -r /tmp/etc-file
root@vbox:~#
12 folders | Free space: 13.0 GiB
Type here to search
EN
01:00
21/09/2024


Debian [Running] - Oracle VirtualBox
Activities
Thunar File Manager
Sep 21 01:00
tmp - Thunar
File Edit View Go Bookmarks Help
/tmp/
Places
Computer
vboxuser
Desktop
Recent
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
systemd-private-2ad5e2f64148469c85b9b1be269cc004-colord.service-oktASY
systemd-private-2ad5e2f64148469c85b9b1be269cc004-fwupd.service-Rji4rm
systemd-private-2ad5e2f64148469c85b9b1be269cc004-geoclue.service-k6hkeY
systemd-private-2ad5e2f64148469c85b9b1be269cc004-low-memory-monitor.service-QFiW8v
systemd-private-2ad5e2f64148469c85b9b1be269cc004-ModemManager.service-D0hSnq
systemd-private-2ad5e2f64148469c85b9b1be269cc004-power-profiles-daemon.service-NXaOQd
systemd-private-2ad5e2f64148469c85b9b1be269cc004-switcheroo-control.service-y3R3Me
systemd-private-2ad5e2f64148469c85b9b1be269cc004-systemd-logind.service-kLNYNt
systemd-private-2ad5e2f64148469c85b9b1be269cc004-systemd-timesyncd.service-K2tVo8
systemd-private-2ad5e2f64148469c85b9b1be269cc004-upower.service-hoy9FO
tracker-extract-3-files.113
tracker-extract-3-files.1000
12 folders | Free space: 13.0 GiB
Type here to search
EN
01:00
21/09/2024