Lab 5

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vboxuser@linuxxx: /

vboxuser@linuxxx:~$ dd if=/dev/zero of=/tmp/file1.img bs=512 count=40000
40000+0 records in
40000+0 records out
20480000 bytes (20 MB, 20 MiB) copied, 0.251639 s, 81.4 MB/s
vboxuser@linuxxx:~$ losetup -f
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vboxuser@linuxxx:~$ losetup -f
/dev/loop3
vboxuser@linuxxx:~$ sudo losetup /dev/loop3 /tmp/disk.img
losetup: /tmp/disk.img: failed to set up loop device: No such file or directory
vboxuser@linuxxx:~$ sudo losetup /dev/loop3 /tmp/file1.img
[sudo] password for vboxuser:
vboxuser@linuxxx:~$ sudo fdisk /dev/loop3

Welcome to fdisk (util-linux 2.37.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
```

```
vboxuser@linuxxx:~$ sudo mkfs.ext4 /tmp/file1.img
mke2fs 1.46.5 (30-Dec-2021)
Found a dos partition table in /tmp/file1.img
Proceed anyway? (y,N) y
Discarding device blocks: done
Creating filesystem with 5000 4k blocks and 5008 inodes

Allocating group tables: done
Writing inode tables: done
Creating journal (1024 blocks): done
Writing superblocks and filesystem accounting information: done

vboxuser@linuxxx:~$ sudo mount /dev/loop3 /mnt
vboxuser@linuxxx:~$ sudo touch fille1.txt
vboxuser@linuxxx:~$ sudo touch fille2.txt
vboxuser@linuxxx:~$ ls
Desktop     file1.txt   INDEX.html  Music              Pictures   snap
Documents   fille1.txt  iti-0       nohup.out          Public     Templates
Downloads   fille2.txt  iti-o       os_team_workspace  scrip.sh   Videos
vboxuser@linuxxx:~$ cd /
vboxuser@linuxxx:/$ sudo umount /mnt
vboxuser@linuxxx:/$ apt-cache search gparted
gparted - GNOME partition editor
gparted-common - GNOME partition editor -- common data
partitionmanager - file, disk and partition management for KDE
```

vboxuser@linuxxx: /

```
vboxuser@linuxxx:/$ apt-cache search gparted
gparted - GNOME partition editor
gparted-common - GNOME partition editor -- common data
partitionmanager - file, disk and partition management for KDE
vboxuser@linuxxx:/$ sudo apt-get install gparted
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  gparted-common
Suggested packages:
  dmraid gpart jfsutils kpartx mtools reiser4progs reiserfsprogs udftools
  xfsprogs exfatprogs
The following NEW packages will be installed:
  gparted gparted-common
0 upgraded, 2 newly installed, 0 to remove and 172 not upgraded.
Need to get 490 kB of archives.
After this operation, 2,128 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 gparted-common all 1
.3.1-1ubuntu1 [71.9 kB]
Get:2 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 gparted amd64 1.3.1-
1ubuntu1 [418 kB]
Fetched 490 kB in 2s (244 kB/s)
Selecting previously unselected package gparted-common.
(Reading database ... 230543 files and directories currently installed.)
```

vboxuser@linuxxx: /

```
1ubuntu1 [418 kB]
Fetched 490 kB in 2s (244 kB/s)
Selecting previously unselected package gparted-common.
(Reading database ... 230543 files and directories currently installed.)
Preparing to unpack .../gparted-common_1.3.1-1ubuntu1_all.deb ...
Unpacking gparted-common (1.3.1-1ubuntu1) ...
Selecting previously unselected package gparted.
Preparing to unpack .../gparted_1.3.1-1ubuntu1_amd64.deb ...
Unpacking gparted (1.3.1-1ubuntu1) ...
Setting up gparted-common (1.3.1-1ubuntu1) ...
Setting up gparted (1.3.1-1ubuntu1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
^X
```

```
vboxuser@linuxxx:/$ gparted /dev/loop3
GParted 1.3.1
configuration --enable-libparted-dmraid --enable-online-resize
libparted 3.4
```

/dev/loop3 - GParted

GParted   Edit   View   Device   Partition   Help

/dev/loop3 (19.53 MiB) ⌄

/dev/loop3
19.53 MiB

Partition	File System	Size	Used	Unused	Flags
/dev/loop3	ext4	19.53 MiB	5.30 MiB	14.23 MiB	

0 operations pending