Lab-2

1-create users and group

```
yossef@ubuntu-18:/$ sudo useradd -m itiuser1
yossef@ubuntu-18:/$ sudo useradd -m itiuser2
yossef@ubuntu-18:/$ groupadd os_team
```

2-create directory

3-assign group to the directory

4-add users to a group and setgid

```
yossef@ubuntu-18:/var/tmp$ sudo usermod -a -G os_team itiuser1
yossef@ubuntu-18:/var/tmp$ sudo usermod -a -G os_team itiuser2
yossef@ubuntu-18:/var/tmp$
```

```
yossef@ubuntu-18:/var/tmp$ sudo chmod 2775 os_team_workspace/
yossef@ubuntu-18:/var/tmp$ stat os_team_workspace/
File: os_team_workspace/
Size: 4096 Blocks: 8 IO Block: 4096 directory
Device: 801h/2049d Inode: 526338 Links: 2
Access: (2775/drwxrwsr-x) Uid: (1000/ yossef) Gid: (1003/ os_team)
Access: 2023-02-12 14:10:29.275929787 +0200
Modify: 2023-02-12 14:02:18.003936327 +0200
Change: 2023-02-12 14:12:06.919928487 +0200
Birth: -
```

5-create directory using users and list permissions

```
yossef@ubuntu-18:/var/tmp/os_team_workspace$ sudo -u itiuser1 mkdir mydir1
yossef@ubuntu-18:/var/tmp/os_team_workspace$ ls
mydir1
yossef@ubuntu-18:/var/tmp/os team workspace$ stat mydir1
 File: mydir1
 Size: 4096
                     Blocks: 8
                                       IO Block: 4096
                                                      directory
Device: 801h/2049d
                    Inode: 658502
                                       Links: 2
Access: 2023-02-12 14:17:54.931923854 +0200
Modify: 2023-02-12 14:17:54.931923854 +0200
Change: 2023-02-12 14:17:54.931923854 +0200
Birth: -
yossef@ubuntu-18:/var/tmp/os_team_workspace$ sudo -u itiuser2 mkdir mydir2
yossef@ubuntu-18:/var/tmp/os_team_workspace$ stat mydir2
 File: mydir2
 Size: 4096
                     Blocks: 8
                                       IO Block: 4096
                                                      directory
Device: 801h/2049d
                     Inode: 790534
                                       Links: 2
Access: (2755/drwxr-sr-x) Uid: ( 1002/itiuser2) Gid: ( 1003/ os_team)
Access: 2023-02-12 14:18:39.619923259 +0200
Modify: 2023-02-12 14:18:39.619923259 +0200
Change: 2023-02-12 14:18:39.619923259 +0200
Birth: -
```

6-processes in treemod

```
yossef@ubuntu-18:/$ pstree
systemd<del> | </del>ModemManager---2*[{ModemManager}]
         —NetworkManager——dhclient
                           └─2*[{NetworkManager}]
         -3*[VBoxClient---VBoxClient---3*[{VBoxClient}]]
         -VBoxClient---VBoxClient---4*[{VBoxClient}]
         —accounts-daemon——2*[{accounts-daemon}]
         —acpid
         —apache2——2*[apache2——26*[{apache2}]]
         -apt.systemd.dai-apt.systemd.dai-unattended-upgr-unattended-upgr+++
-2*[{unattended-+
         —avahi-daemon——avahi-daemon
         —boltd——2*[{boltd}]
         -colord---2*[{colord}]
         -cups-browsed--2*[{cups-browsed}]
         -cupsd---2*[dbus]
         -dbus-daemon
         -fwupd----4*[{fwupd}]
                 -gdm-session-wor-
                                    —gdm-wayland-ses—⊤
                                                        —gnome-session-b—
         -gdm3<del>---</del>
                                                                           -gnome-sh+
                                                                           -gsd-a11y+
                                                                           -gsd-clip+
                                                                           -gsd-colo+
                                                                           -gsd-date+
                                                                           gsd-hous+
                                                                           -gsd-keyb+
                                                                            -gsd-medi+
                                                                           -gsd-mous+
                                                                           -gsd-powe+
                                                                            gsd-prin+
```

```
—gsd-smar+
—gsd-soun+
—gsd-waco+
—gsd-xset+
—3*[{gnom+
-2*[{gdm-wayland-ses}]
                                                                                                                      __2*[{gdm-session-wor}]
__gdm-x-session___Xorg_
                                                                                                                                                                                 —Xorg——{Xorg}
—gnome-session-b-
                                                                                                                                                                                                                                                     —deja-dup-m+
—gnome-shel+
—gnome-soft+
                                                                                                                                                                                                                                                      -gsd-a11y-s+
-gsd-clipbo+
                                                                                                                                                                                                                                                    —gsd-clipbo+
—gsd-color—+++
—gsd-dateti+
—gsd-disk-u+
—gsd-housek+
—gsd-keyboa+
                                                                                                                                                                                                                                                      -gsd-media-+
-gsd-mouse-++
                                                                                                                                                                                                                                                    gsd-mouse-+++
gsd-print-+
gsd-rfkill+++
gsd-screen+
gsd-sharin+
                                                                                                                                                                                                                                                      -gsd-smartc+
-gsd-sound-+++
                                                                                                                                                                                                                                                       gsd-wacom-+++
                                                                                                                                                                                                                                                      -nautilus-d+
                                                                                                                                                                                                                                                        -ssh-agent
-update-not+
                                                                                                                       2*[{gdm-x-session}]
-2*[{gdm-session-wor}]
                          _2*[{gdm3}]
-gnome-keyring-d—3*[{gnome-keyring-d}]
-gsd-printer—2*[{gsd-printer}]
-2*[tbus-x11—2*[{ibus-x11}]]
-2*[kproloops]
                       -2*[tbus-x11—2*[{tbus-x11}]]
-2*[kerneloops]
-networkd-dispat—{networkd-dispat}
-packagekitd—2*[{packagekitd}]
-polkitd—2*[{polkitd}]
-pulseaudio—3*[{pulseaudio}]
-rsyslogd—3*[{rsyslogd}]
-rtkit-daemon—2*[{rtkit-daemon}]
-snapd—9*[{snapd}]
-systemd—(sd-pam)
-at-spi-bus-laun—dbus-daemon
-at-spi2-registr—2*[{at-spi2-registr}]
-dbus-daemon
                         -ibus-portal—2*[(ibus-portal)]
-pulseaudio—3*[{pulseaudio}]
-xdg-permission-—2*[{xdg-permi}
-systemd—(sd-pam)
                                                                                                                                      -2*[{xdg-permission-}]
                                                                 -at-spi-bus-laun---dbus-daemon
-3*[{at-spi-bus-laun}]
-at-spi2-registr---2*[{at-spi2-registr}]
                                                              -at-spi2-registr
-dbus-daemon
-dconf-service—2*[{dconf-service}]
-dconf-service—2*[{dconf-service}]
-evolution-addre—5*[{evolution-addre}]
-4*[{evolution-addre}]
-evolution-calen—8*{{evolution-calen}}
-4*[{evolution-calen}]
                                                                              -evolution-sourc—3*[{evolution-sourc}]
-gnome-shell-cal—5*[{gnome-shell-cal}]
-gnome-terminal-—bash—pstree
-sudo—nano
                                                                          gnome-terminal bash pstree sudo—nano 3*[{gnome-terminal-}]
goa-daemon—3*[{goa-daemon}]
goa-identity-se—3*[{goa-identity-se}]
gyfs-afc-volume—3*[{gyfs-afc-volume}]
gyfs-goa-volume—2*[{gyfs-goa-volume}]
gyfs-gphoto2-vo—2*[{gyfs-photo2-vo}]
gyfs-mtp-volume—2*[{gyfs-udisks2-vo}]
gyfs-disks2-vo—2*[{gyfs-udisks2-vo}]
gyfsd—gyfsd-trash—2*[{gyfs-disks2-vo}]
-2*[{gyfsd-fuse}]
gyfsd-fuse—5*[{gyfsd-fuse}]
-yyfsd-metadata—2*[{gyfsd-metadata}]
-ibus-portal—2*[{ibus-portal}]
-xdg-desktop-por—3*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por—2*[{xdg-desktop-por}]
-xdg-desktop-por=2*[{xdg-desktop-por}]
-xdg-desktop-por=2*[{xdg-desktop-por}]
                                     -systemd-journal
-systemd-logind
                                     -systemd-resolve
                                     -systemd-udevd
-udisksd---4*[{udisksd}]
                                    -unattended-upgr---{unattended-upgr}
-upowerd---2*[{upowerd}]
-whoopsie---2*[{whoopsie}]
                                      -wpa_supplicant
yossef@ubuntu-18:/$
```

7-execute tail -f /var/log/syslog

```
/ossef@ubuntu-18:/$ sudo tail -f /var/log/syslog

Teb 12 14:10:11 ubuntu-18 dbus-daemon[522]: [system] Reloaded configuration

Teb 12 14:12:34 ubuntu-18 kernel: [5401.56096] audit: type=1400 audit(1676203954.215:61): apparmor="STATUS" operation="profile_replace" info

The sear as current profile, skipping" profile="unconfined" name="/usr/sbin/tcpdump" pid=18064 comm="apparmor_parser"

Teb 12 14:15:39 ubuntu-18 NetworkManager[553]: <info> [1676204139.7260] manager: kernel firmware directory '/lib/firmware' changed

Teb 12 14:17:01 ubuntu-18 CRON[20354]: (root) CMD ( cd / && run-parts --report /etc/cron.hourly)

Teb 12 14:19:33 ubuntu-18 systemd[1]: Reloading.

Teb 12 14:19:34 ubuntu-18 systemd[1]: message repeated 4 times: [Reloading.]

Teb 12 14:20:20 ubuntu-18 gnome-software[2337]: failed to rescan: Failed to parse /usr/share/applications/apport-gtk.desktop file: cannot process file of type application/x-desktop

Teb 12 14:20:20 ubuntu-18 gnome-software[2337]: failed to rescan: Failed to parse /usr/share/applications/apport-gtk.desktop.dpkg-tmp file: cannot process file of type application/x-desktop

Teb 12 14:20:20 ubuntu-18 gnome-software[2337]: tried overwriting io.snapcraft.jami-vzdLJDv8AcX1mtod8h5bmJknlYiIKNTJ key GnomeSoftware::Feature file-css from border-color: #000000;#012color: transparent;#012font-size: 30px;#012background: url('/home/yossef/.cache/gnome-software/cssresure/f6382ec312737428383b9771f0adb4d9be7bc434-jami-qt-gnulinux-banner-20220504.png') no-repeat;#012background: url('https://dashboard.snapcraft.lo/site_neida/appmedia/2022/05/jami-qt-gnulinux-banner-20220504.png') no-repeat;#012background: url('https://dashboard.snapcraft.lo/site_neida/appmedia/2022/05/jami-qt-gnulinux-banner-20220504.png') no-repeat;#012background: url('https://dashboard.snapcraft.lo/site_neida/appmedia/2022/05/jami-qt-gnulinux-banner-20220504.png') no-repeat;#012background: url('https://dashboard.snapcraft.lo/site_neida/appmedia/2022/05/jami-qt-gnulinux-banner-20220504.png') no-repeat;#012background: url('https://das
```

8-kill tail process

```
/ossef@ubuntu-18:/$ ps -aux | grep tail
/ossef 13036 0.0 0.0 14732 1160 pts/2 S+ 14:35 0:00 grep --color=auto tail
root 23364 0.0 0.1 65912 4332 pts/0 T 14:21 0:00 sudo tail -f /var/log/syslog
root 23365 0.0 0.0 7812 876 pts/0 T 14:21 0:00 tail -f /var/log/syslog
root 29981 0.0 0.1 65912 4276 pts/0 S+ 14:25 0:00 sudo tail -f /var/log/syslog
root 29982 0.0 0.0 7812 852 pts/0 S+ 14:25 0:00 tail -f /var/log/syslog
root 29982 0.0 0.0 7812 852 pts/0 S+ 14:25 0:00 tail -f /var/log/syslog
root 29982 0.0 0.0 reation not permitted
rossef@ubuntu-18:/$ sudo kill 29981
rossef@ubuntu-18:/$ sudo kill 29981
rossef@ubuntu-18:/$
```