

Objectives:

1-CreateUsers user1,user2:

```
omarwalid@omarwalid-VirtualBox:~$ sudo useradd -m itiuser1
omarwalid@omarwalid-VirtualBox:~$ sudo useradd -m itiuser2
omarwalid@omarwalid-VirtualBox:~$
```

2-Create group called Os_Team:

```
omarwalid@omarwalid-VirtualBox:~$ sudo groupadd os_team
```

3-Create Directory called os_team_workspace:

```
omarwalid@omarwalid-VirtualBox:~$ mkdir /tmp/os_team_workspace
```

4- assign os_team group to the directory os_team_workspace and change mode to setgid (hint use sudo):

```
omarwalid@omarwalid-VirtualBox:~$ sudo chgrp os_team /tmp/os_team_workspace
```

5-add users to os_team group:

```
omarwalid@omarwalid-VirtualBox:~$ sudo usermod -a -G os_team itiuser1
omarwalid@omarwalid-VirtualBox:~$ sudo usermod -a -G os_team itiuser2
```

6-create two directories using user1 and user2:

```
omarwalid@omarwalid-VirtualBox:~$ cd /tmp/os_team_workspace
$ mkdir /tmp/os_team_workspace/mydir1
```

```
$ mkdir /tmp/os_team_workspace/mydir2
```

7-list directories permissions:

```
omarwalid@omarwalid-VirtualBox:~$ ls -l /tmp/os_team_workspace
total 12
drwxrwxr-x 2 ittiuser1 ittiuser1 4096 14:17 15 فبراير mydir1
drwxrwxr-x 2 ittiuser2 ittiuser2 4096 14:19 15 فبراير mydir2
drwxrwxr-x 2 ittiuser1 ittiuser1 4096 14:22 15 فبراير mydir3
omarwalid@omarwalid-VirtualBox:~$
```

8-process in tree mod:

```
omarwalid@omarwalid-VirtualBox:~$ pstree
systemd--
├── ModemManager--2*[{ModemManager}]
├── NetworkManager--2*[{NetworkManager}]
├── accounts-daemon--2*[{accounts-daemon}]
├── acpid
├── avahi-daemon--avahi-daemon
├── colord--2*[{colord}]
├── cron
├── cups-browsed--2*[{cups-browsed}]
├── cupsd
├── dbus-daemon
├── fwupd--4*[{fwupd}]
├── gdm3--
│   ├── gdm-session-wor--
│   │   ├── gdm.wayland-ses--
│   │   │   ├── gnome-session-b--2*[{gno+
│   │   │   │   └── 2*[{gdm.wayland-ses}]
│   │   └── 2*[{gdm-session-wor}]
│   └── 2*[{gdm3}]
├── gnome-keyring-d--3*[{gnome-keyring-d}]
├── irqbalance--{irqbalance}
├── 2*[kerneloops]
├── networkd-dispat
├── packagekitd--2*[{packagekitd}]
├── polkitd--2*[{polkitd}]
├── power-profiles--2*[{power-profiles-}]
├── rsyslogd--3*[{rsyslogd}]
├── rtkit-daemon--2*[{rtkit-daemon}]
└── snaped--9*[{snaped}]
```

9-command tail:

```
omarwalid@omarwalid-VirtualBox:~$ tail -f /var/log/syslog
Feb 15 14:14:50 omarwalid-VirtualBox systemd[907]: Finished Notification regard
ing a new release of Ubuntu.
Feb 15 14:14:50 omarwalid-VirtualBox systemd[907]: update-notifier-release.serv
ice: Consumed 1.056s CPU time.
Feb 15 14:16:07 omarwalid-VirtualBox systemd[1]: Starting Cleanup of Temporary
Directories...
Feb 15 14:16:07 omarwalid-VirtualBox systemd[1]: systemd-tmpfiles-clean.service
: Deactivated successfully.
Feb 15 14:16:07 omarwalid-VirtualBox systemd[1]: Finished Cleanup of Temporary
Directories.
Feb 15 14:17:01 omarwalid-VirtualBox CRON[2980]: (root) CMD ( cd / && run-par
ts --report /etc/cron.hourly)
Feb 15 14:17:41 omarwalid-VirtualBox systemd[1]: Starting Ubuntu Advantage Time
r for running repeated jobs...
Feb 15 14:17:42 omarwalid-VirtualBox systemd[1]: ua-timer.service: Deactivated
successfully.
Feb 15 14:17:42 omarwalid-VirtualBox systemd[1]: Finished Ubuntu Advantage Time
r for running repeated jobs.
Feb 15 14:18:03 omarwalid-VirtualBox systemd[907]: Started VTE child process 29
93 launched by gnome-terminal-server process 2542.
```

10-kill process:

```
omarwal+ 3056 0.0 0.0 17060 1004 pts/0 T 14:26 0:00 tail -f /var
omarwal+ 3075 0.0 0.0 31320 3406 pts/0 S 14:27 0:00 ps aux
omarwalid@omarwalid-VirtualBox:~$ kill -9 3056
```