

```
radwa@radwa-VirtualBox: ~  
radwa@radwa-VirtualBox:~$ sudo groupadd os_team  
radwa@radwa-VirtualBox:~$ mkdir os_team_workspace  
radwa@radwa-VirtualBox:~$ ls -lg  
total 48  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Desktop  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Documents  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Downloads  
drwxrwxr-x 2 radwa 4096 14:29 8 فير iti-0  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Music  
drwxrwxr-x 2 radwa 4096 14:49 11 فير mywebsite  
drwxrwxr-x 2 radwa 4096 14:15 15 فير os_team_workspace  
drwxr-xr-x 2 radwa 4096 16:31 1 فير Pictures  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Public  
drwx----- 4 radwa 4096 14:01 11 فير snap  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Templates  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Videos  
radwa@radwa-VirtualBox:~$ sudo chgrp os_team os_team_workspace/  
radwa@radwa-VirtualBox:~$ ls -lg  
total 48  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Desktop  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Documents  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Downloads  
drwxrwxr-x 2 radwa 4096 14:29 8 فير iti-0  
drwxr-xr-x 2 radwa 4096 12:37 1 فير Music
```

```
radwa@radwa-VirtualBox: ~  
Other []:  
Is the information correct? [Y/n] y  
radwa@radwa-VirtualBox:~$ sudo adduser itius2  
Adding user 'itius2' ...  
Adding new group 'itius2' (1002) ...  
Adding new user 'itius2' (1002) with group 'itius2' ...  
Creating home directory '/home/itius2' ...  
Copying files from '/etc/skel' ...  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: password updated successfully  
Changing the user information for itius2  
Enter the new value, or press ENTER for the default  
Full Name []: user two iti  
Room Number []:  
Work Phone []:  
Home Phone []:  
Other []:  
Is the information correct? [Y/n] y  
radwa@radwa-VirtualBox:~$ sudo gro  
groff      grops      groupadd   groupmems  groups  
grog       grotty      groupdel   groupmod  
radwa@radwa-VirtualBox:~$ sudo groupadd os_team
```

```
radwa@radwa-VirtualBox:~$ sudo adduser itiuser1
[sudo] password for radwa:
Adding user `itiuser1' ...
Adding new group `itiuser1' (1001) ...
Adding new user `itiuser1' (1001) with group `itiuser1' ...
Creating home directory `/home/itiuser1' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for itiuser1
Enter the new value, or press ENTER for the default
  Full Name []: user one iti
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
radwa@radwa-VirtualBox:~$ sudo adduser itiuser2
```

```
radwa@radwa-VirtualBox: ~
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Public
drwx----- 4 radwa 4096 14:01 11 فبراير snap
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Templates
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Videos
radwa@radwa-VirtualBox:~$ sudo chmod g+s os_team_workspace/
radwa@radwa-VirtualBox:~$ ls -lg
total 48
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Desktop
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Documents
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Downloads
drwxrwxr-x 2 radwa 4096 14:29 8 فبراير iti-0
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Music
drwxrwxr-x 2 radwa 4096 14:49 11 فبراير mywebsite
drwxrwsr-x 2 os_team 4096 14:15 15 فبراير os_team_workspace
drwxr-xr-x 2 radwa 4096 16:31 1 فبراير Pictures
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Public
drwx----- 4 radwa 4096 14:01 11 فبراير snap
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Templates
drwxr-xr-x 2 radwa 4096 12:37 1 فبراير Videos
radwa@radwa-VirtualBox:~$ sudo usermod -G os_team itiuser1
radwa@radwa-VirtualBox:~$ sudo usermod -G os_team itiuser2
radwa@radwa-VirtualBox:~$ getent group os_team
os_team:x:1003:itiuser1,itiuser2
radwa@radwa-VirtualBox:~$
```



```
radwa@radwa-VirtualBox: ~  
radwa@radwa-VirtualBox:~$ pstree  
systemd├─ModemManager─2*[{ModemManager}]  
│├─NetworkManager─2*[{NetworkManager}]  
│├─3*[VBoxClient─VBoxClient─3*[{VBoxClient}]]  
│├─VBoxClient─VBoxClient─4*[{VBoxClient}]  
│├─VBoxDRMClient─4*[{VBoxDRMClient}]  
│├─VBoxService─8*[{VBoxService}]  
│├─accounts-daemon─2*[{accounts-daemon}]  
│├─acpid  
│├─apache2─2*[apache2─26*[{apache2}]]  
│├─avahi-daemon─avahi-daemon  
│├─colord─2*[{colord}]  
│├─cron  
│├─cups-browsed─2*[{cups-browsed}]  
│├─cupsd─dbus  
│├─dbus-daemon  
│├─gdm3├─gdm-session-wor├─gdm-x-session├─Xorg─{Xorg}  
│││││├─gnome-session-b─2*[{gnome-+  
│││││└─2*[{gdm-x-session}]  
││└─2*[{gdm3}]  
│├─gnome-keyring-d─3*[{gnome-keyring-d}]  
│├─2*[kerneloops]  
└─networkd-dispat
```

```
radwa@radwa-VirtualBox: ~  
├─upowerd─2*[{upowerd}]  
└─wpa_supplicant  
radwa@radwa-VirtualBox:~$ tail -f /var/log/syslog  
Feb 15 14:38:40 radwa-VirtualBox systemd[1159]: Finished Notification regarding  
a new release of Ubuntu.  
Feb 15 14:42:04 radwa-VirtualBox systemd[1]: Starting Refresh fwupd metadata and  
update motd...  
Feb 15 14:42:04 radwa-VirtualBox systemd[1]: fwupd-refresh.service: Main process  
exited, code=exited, status=1/FAILURE  
Feb 15 14:42:04 radwa-VirtualBox systemd[1]: fwupd-refresh.service: Failed with  
result 'exit-code'.  
Feb 15 14:42:04 radwa-VirtualBox systemd[1]: Failed to start Refresh fwupd metad  
ata and update motd.  
Feb 15 14:43:36 radwa-VirtualBox gnome-shell[1506]: Failed to store clipboard: F  
ormat image/bmp not supported  
Feb 15 14:44:12 radwa-VirtualBox gnome-shell[1506]: message repeated 3 times: [  
Failed to store clipboard: Format image/bmp not supported]  
Feb 15 14:44:54 radwa-VirtualBox systemd[1159]: Started Application launched by  
gnome-shell.  
Feb 15 14:44:54 radwa-VirtualBox systemd[1159]: Started VTE child process 2685 l  
aunched by gnome-terminal-server process 2020.  
Feb 15 14:47:45 radwa-VirtualBox gnome-shell[1506]: Failed to store clipboard: F  
ormat image/bmp not supported
```

```
itiuser1@radwa-VirtualBox: ~  
radwa@radwa-VirtualBox:~$ sudo login  
[sudo] password for radwa:  
radwa-VirtualBox login: itiuser1  
Password:  
  
Login incorrect  
radwa-VirtualBox login: itiuser1  
Password:  
Welcome to Ubuntu 22.04 LTS (GNU/Linux 5.15.0-60-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
231 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.
```

```
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
itiuser1@radwa-VirtualBox:~$ mkdir mydir1  
itiuser1@radwa-VirtualBox:~$ ls -lg  
total 4  
drwxrwxr-x 2 itiuser1 4096 14:38 15 فبر mydir1  
itiuser1@radwa-VirtualBox:~$ ls -ld  
drwxr-x--- 4 itiuser1 itiuser1 4096 14:38 15 فبر .  
itiuser1@radwa-VirtualBox:~$
```

```
itiuser2@radwa-VirtualBox:~$ mkdir mydir2  
itiuser2@radwa-VirtualBox:~$ ls -lg  
total 4  
drwxrwxr-x 2 itiuser2 4096 14:47 15 فبر mydir2  
itiuser2@radwa-VirtualBox:~$ ls -ld  
drwxr-x--- 4 itiuser2 itiuser2 4096 14:47 15 فبر .  
itiuser2@radwa-VirtualBox:~$
```

```
radwa@radwa-VirtualBox: - radwa@radwa-VirtualBox: -
radwa 2886 0.0 0.7 499676 30352 ? S1 Feb 15 14:47:45 radwa-VirtualBox gnome-shell[1506]: Failed to store clipboard: F
root 2484 0.0 0.0 0 0 ? I ormat image/bmp not supported
root 2492 0.0 0.0 0 0 ? I Feb 15 14:51:22 radwa-VirtualBox gnome-shell[1506]: message repeated 13 times: [
radwa 2543 0.0 0.1 11276 5488 pts/1 Ss Feb 15 14:51:22 radwa-VirtualBox gnome-shell[1506]: message repeated 13 times: [
root 2558 0.0 0.1 14524 5880 pts/1 S+ Feb 15 14:56:04 radwa-VirtualBox systemd[1]: Starting Daily apt upgrade and clea
root 2559 0.0 0.0 14524 1008 pts/2 Ss n activities...
root 2560 0.0 0.1 13716 5400 pts/2 S Feb 15 14:56:07 radwa-VirtualBox systemd[1]: apt-daily-upgrade.service: Deactiva
tttuser1 2639 0.0 0.1 11808 5156 pts/2 S+ ted successfully.
root 2676 0.0 0.0 0 0 ? I Feb 15 14:56:07 radwa-VirtualBox systemd[1]: Finished Daily apt upgrade and clea
radwa 2685 0.0 0.1 11012 5048 pts/3 Ss n activities.
root 2698 0.0 0.0 0 0 ? I Feb 15 14:56:07 radwa-VirtualBox systemd[1]: apt-daily-upgrade.service: Consumed
root 2699 0.0 0.1 14356 5876 pts/3 S+ 3.145s CPU time.
root 2700 0.0 0.0 14356 948 pts/4 Ss Feb 15 15:01:25 radwa-VirtualBox systemd[1]: Starting Ubuntu Advantage Timer for
root 2701 0.0 0.1 13708 5376 pts/4 S running repeated jobs...
tttuser2 2737 0.0 0.1 11080 5288 pts/4 S+ Feb 15 15:01:26 radwa-VirtualBox systemd[1]: ua-timer.service: Deactivated succe
root 2755 0.0 0.0 0 0 ? I ssfully.
radwa 2859 0.0 0.0 8464 1624 pts/0 S+ Feb 15 15:01:26 radwa-VirtualBox systemd[1]: Finished Ubuntu Advantage Timer for
radwa 2869 0.0 0.1 11012 5248 pts/5 Ss running repeated jobs.
root 2879 0.0 0.0 0 0 ? I Feb 15 15:01:37 radwa-VirtualBox systemd[1159]: Started Application launched by
radwa 2881 0.0 0.0 12940 3820 pts/5 R+ gnome-shell.
radwa@radwa-VirtualBox: $ ^C Feb 15 15:01:37 radwa-VirtualBox systemd[1159]: Started VTE child process 2869 l
radwa@radwa-VirtualBox: $ sudo kill -9 2859 aunched by gnome-terminal-server process 2020.
[sudo] password for radwa: Killed
radwa@radwa-VirtualBox: $ radwa@radwa-VirtualBox: $
```