

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
samir@samir-VirtualBox:~$ sudo useradd useriti1
[sudo] password for samir:
Sorry, try again.
[sudo] password for samir:
samir@samir-VirtualBox:~$ sudo useradd useriti2
samir@samir-VirtualBox:~$ sudo groupadd os_team
samir@samir-VirtualBox:~$ mkdir os_team_workspace
samir@samir-VirtualBox:~$ sudo chgrp os_team os_team_worksapce
chgrp: cannot access 'os_team_worksapce': No such file or directory
samir@samir-VirtualBox:~$ sudo chgrp os_team os_team_workspace
samir@samir-VirtualBox:~$ ls -l
total 40
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Desktop
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Documents
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Downloads
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Music
drwxrwxr-x 2 samir os_team 4096 00:28 20 فبراير os_team_workspace
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Pictures
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Public
drwx----- 3 samir samir 4096 23:28 8 فبراير snap
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Templates
drwxr-xr-x 2 samir samir 4096 23:28 8 فبراير Videos
samir@samir-VirtualBox:~$
```

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2, --setuidx user SEUSER new SElinux user mapping for the user

samir@samir-VirtualBox:~$ mkdir mydir1 mydir2
samir@samir-VirtualBox:~$ chown itiuser1 mydir1
chown: invalid user: 'itiuser1'
samir@samir-VirtualBox:~$ sudo chown itiuser1 mydir1
[sudo] password for samir:
chown: invalid user: 'itiuser1'
samir@samir-VirtualBox:~$ sudo chown itiuser1 mydir1
chown: invalid user: 'itiuser1'
samir@samir-VirtualBox:~$ sudo useradd itiuser1
samir@samir-VirtualBox:~$ sudo chown itiuser1 mydir1
samir@samir-VirtualBox:~$ sudo chown itiuser2 mydir2
chown: invalid user: 'itiuser2'
samir@samir-VirtualBox:~$ sudo useradd itiuser2
samir@samir-VirtualBox:~$ sudo chown itiuser2 mydir2
samir@samir-VirtualBox:~$ ls -l
total 48
drwxr-xr-x 2 samir      samir      4096 00:33 20 فبراير Desktop
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Documents
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Downloads
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Music
drwxrwxr-x 2 itiuser1  samir      4096 00:59 20 فبراير mydir1
drwxrwxr-x 2 itiuser2  samir      4096 00:59 20 فبراير mydir2
drwxrwxr-x 2 samir      os_team   4096 00:28 20 فبراير os_team_workspace
drwxr-xr-x 3 samir      samir      4096 00:32 20 فبراير Pictures
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Public
drwx----- 3 samir      samir      4096 23:28 8 فبراير snap
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Templates
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Videos
samir@samir-VirtualBox:~$
```

```
chown: invalid user: 'itiuser1'
samir@samir-VirtualBox:~$ sudo chown itiuser1 mydir1
[sudo] password for samir:
chown: invalid user: 'itiuser1'
samir@samir-VirtualBox:~$ sudo chown itiuser1 mydir1
chown: invalid user: 'itiuser1'
samir@samir-VirtualBox:~$ sudo useradd itiuser1
samir@samir-VirtualBox:~$ sudo chown itiuser1 mydir1
samir@samir-VirtualBox:~$ sudo chown itiuser2 mydir2
chown: invalid user: 'itiuser2'
samir@samir-VirtualBox:~$ sudo useradd itiuser2
samir@samir-VirtualBox:~$ sudo chown itiuser2 mydir2
samir@samir-VirtualBox:~$ ls -l
total 48
drwxr-xr-x 2 samir      samir      4096 00:33 20 فبراير Desktop
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Documents
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Downloads
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Music
drwxrwxr-x 2 itiuser1  samir      4096 00:59 20 فبراير mydir1
drwxrwxr-x 2 itiuser2  samir      4096 00:59 20 فبراير mydir2
drwxrwxr-x 2 samir      os_team   4096 00:28 20 فبراير os_team_workspace
drwxr-xr-x 3 samir      samir      4096 00:32 20 فبراير Pictures
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Public
drwx----- 3 samir      samir      4096 23:28 8 فبراير snap
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Templates
drwxr-xr-x 2 samir      samir      4096 23:28 8 فبراير Videos
samir@samir-VirtualBox:~$ groups os_team
groups: 'os_team': no such user
samir@samir-VirtualBox:~$ groups itiuser1
itiuser1 : itiuser1
samir@samir-VirtualBox:~$
```

```

root@root: ~# 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
      ├─gdm3├─gdm-session-wor├─gdm-wayland-ses├─gnome-session-b─2*[{gnome-session-b}]
          │               │               │       └─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}]
      ├─snapd─12*[{snapd}]
      ├─switcheroo-cont─2*[{switcheroo-cont}]
      └─systemd├─(sd-pam)
                ├─at-spi2-registr─2*[{at-spi2-registr}]
                ├─dbus-daemon
                ├─dconf-service─2*[{dconf-service}]
                ├─evolution-addre─5*[{evolution-addre}]
                ├─evolution-calen─8*[{evolution-calen}]
                ├─evolution-sourc─3*[{evolution-sourc}]
                ├─2*[gjs─4*[{gjs}]]
                ├─gnome-calendar─5*[{gnome-calendar}]
                └─gnome-session-b├─at-spi-bus-laun├─dbus-daemon
                    │               │       └─3*[{at-spi-bus-laun}]
                    │               └─evolution-alarm─5*[{evolution-alarm}]
                    │               └─gsd-disk-utilit─2*[{gsd-disk-utilit}]
                    │               └─update-notifier─3*[{update-notifier}]
                    └─3*[{gnome-session-b}]
                ├─gnome-session-c─{gnome-session-c}
                ├─gnome-shell├─gjs─5*[{gjs}]
                    │       └─13*[{gnome-shell}]
                ├─gnome-shell-cal─5*[{gnome-shell-cal}]
                └─gnome-terminal├─bash─pstree
                    │               └─3*[{gnome-terminal-}]
                ├─goa-daemon─3*[{goa-daemon}]
                ├─goa-identity-se─2*[{goa-identity-se}]
                ├─gsd-a11y-settin─3*[{gsd-a11y-settin}]
                ├─gsd-color─3*[{gsd-color}]
                ├─gsd-datetime─3*[{gsd-datetime}]
                ├─gsd-housekeepin─3*[{gsd-housekeepin}]
                └─gsd-keyboard─3*[{gsd-keyboard}]

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└─3*[{gnome-terminal-}]
goa-daemon—3*[{goa-daemon}]
goa-identity-se—2*[{goa-identity-se}]
gsd-a11y-settin—3*[{gsd-a11y-settin}]
gsd-color—3*[{gsd-color}]
gsd-datetime—3*[{gsd-datetime}]
gsd-housekeepin—3*[{gsd-housekeepin}]
gsd-keyboard—3*[{gsd-keyboard}]
gsd-media-keys—3*[{gsd-media-keys}]
gsd-power—3*[{gsd-power}]
gsd-print-notif—2*[{gsd-print-notif}]
gsd-printer—2*[{gsd-printer}]
gsd-rfkill—2*[{gsd-rfkill}]
gsd-screensaver—2*[{gsd-screensaver}]
gsd-sharing—3*[{gsd-sharing}]
gsd-smartcard—3*[{gsd-smartcard}]
gsd-sound—3*[{gsd-sound}]
gsd-wacom—3*[{gsd-wacom}]
gvfs-afc-volume—3*[{gvfs-afc-volume}]
gvfs-goa-volume—2*[{gvfs-goa-volume}]
gvfs-gphoto2-vo—2*[{gvfs-gphoto2-vo}]
gvfs-mtp-volume—2*[{gvfs-mtp-volume}]
gvfs-udisks2-vo—3*[{gvfs-udisks2-vo}]
gvfsd—gvfsd-trash—2*[{gvfsd-trash}]
└─2*[{gvfsd}]
gvfsd-fuse—5*[{gvfsd-fuse}]
gvfsd-metadata—2*[{gvfsd-metadata}]
ibus-portal—2*[{ibus-portal}]
nautilus—4*[{nautilus}]
pipewire—{pipewire}
pipewire-media—{pipewire-media-}
pulseaudio—3*[{pulseaudio}]
seahorse—3*[{seahorse}]
sh—ibus-daemon—ibus-dconf—3*[{ibus-dconf}]
└─ibus-engine-sim—2*[{ibus-engine-sim}]
└─ibus-extension—3*[{ibus-extension-}]
└─2*[{ibus-daemon}]
snapd-desktop-i—snapd-desktop-i—3*[{snapd-desktop-i}]
tracker-miner-f—6*[{tracker-miner-f}]
xdg-desktop-por—6*[{xdg-desktop-por}]
└─2*[{xdg-desktop-por—3*[{xdg-desktop-por}]]
xdg-document-po—fusermount3
└─6*[{xdg-document-po}]
xdg-permission—2*[{xdg-permission-}]
systemd-journal
systemd-logind
systemd-oomd
systemd-resolve
systemd-timesyn—{systemd-timesyn}
systemd-udev
udisksd—4*[{udisksd}]
unattended-upgr—{unattended-upgr}
upowerd—2*[{upowerd}]
wpa_supplicant
samir@samir-VirtualBox:~$

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```

samir@samir-VirtualBox:~$ tail -f /var/log/syslog
Feb 20 01:18:41 samir-VirtualBox dbus-daemon[4492]: [session uid=1000 pid=4492] Successfully activated service 'org.gnome.Nautilus'
Feb 20 01:18:42 samir-VirtualBox systemd[4470]: Started Application launched by gnome-shell.
Feb 20 01:18:42 samir-VirtualBox dbus-daemon[598]: [system] Activating via systemd: service name='org.freedesktop.hostname1' unit='dbus-org.freedesktop.hostname1.service' requested by ':1.172' (uid=1000 pid=5525 comm="/usr/bin/nautilus --gapplication-service " label="unconfined")
Feb 20 01:18:42 samir-VirtualBox systemd[1]: Starting Hostname Service...
Feb 20 01:18:42 samir-VirtualBox dbus-daemon[598]: [system] Successfully activated service 'org.freedesktop.hostname1'
Feb 20 01:18:42 samir-VirtualBox systemd[1]: Started Hostname Service.
Feb 20 01:18:42 samir-VirtualBox nautilus[5525]: Called "net usershare info" but it failed: Failed to execute child process "net" (No such file or directory)
Feb 20 01:18:57 samir-VirtualBox gnome-shell[4675]: meta_window_set_stack_position_no_sync: assertion 'window->stack_position >= 0' failed
Feb 20 01:19:12 samir-VirtualBox systemd[1]: systemd-hostnamed.service: Deactivated successfully.
Feb 20 01:19:29 samir-VirtualBox systemd[4470]: Started Application launched by gnome-session-binary.
^C
samir@samir-VirtualBox:~$ tail -f /var/log/syslog

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