

System Admin – lab3

1. create users called itiusert1, itiusert2
 - sudo useradd -m itiusert1
 - sudo useradd -m itiusert2
 - sudo passwd itiusert1
 - sudo passwd itiusert2
2. create group called os_team
 - sudo groupadd os_team
3. create directory called os_team_workspace
 - mkdir os_team_workspace
4. assign os_team group to the directory os_team_workspace and change mode to setgid (hint use sudo)
 - sudo chgrp os_team ~/os_team_workspace
 - sudo chmod g+s os_team_workspace
5. add users itiusert1 and itiusert2 to os_team group
 - sudo usermod -a -G os_team itiusert1
 - sudo usermod -a -G os_team itiusert2
6. create directory mydir1 using itiusert1 and mydir2 using itiusert2
 - user1:
 - sudo login
 - mkdir mydir1
 - ls -l
 - user2:
 - sudo login
 - mkdir mydir2
 - ls -l

7. send screenshot of all processes in tree mod

- pstree

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omni@Linuxx: ~  
$ pstree  
systemd--ModemManager--2*[{ModemManager}]  
--NetworkManager--2*[{NetworkManager}]  
--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-daemon  
--fwupd--4*[{fwupd}]  
--gdm3--gdm-session-wor--gdm-wayland-ses--gnome-session-b--2*[{gnome-session-b}]  
--2*[{gdm3}]--2*[{gdm-session-wor}]  
--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-adre--5*[{evolution-adre}]  
--evolution-calen--8*[{evolution-calen}]  
--evolution-sourc--3*[{evolution-sourc}]  
--2*[{gjs}--4*[{gjs}]]  
--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
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gnome-session-c--gnome-session-c  
gnome-shell--gjs--5*[{gjs}]  
--12*[{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}]  
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}]  
pipewire--pipewire  
pipewire-media--pipewire-media-}  
pulseaudio--3*[{pulseaudio}]  
sh--ibus-daemon--ibus-dconf--3*[{ibus-dconf}]  
--ibus-engine-sim--2*[{ibus-engine-sim}]  
--ibus-extension--3*[{ibus-extension-}]  
--2*[{ibus-daemon}]  
snap-store--4*[{snap-store}]  
snapd-desktop-l--snapd-desktop-l--3*[{snapd-desktop-l}]  
tracker-miner-f--5*[{tracker-miner-f}]  
xdg-desktop-por--5*[{xdg-desktop-por}]  
--2*[{xdg-desktop-por}--3*[{xdg-desktop-por}]]
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8. execute command tail -f /var/log/syslog

- tail -f /var/log/syslog

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omnia@Linuxxx:~$ sudo tail -f /var/log/syslog
[sudo] password for omnia:
Feb 20 19:51:47 Linuxxx gnome-shell[2095]: Window manager warning: last_user_time (2888954) is greater than comparison timestamp (2888952). This most likely represents a buggy client sending inaccurate timestamps in messages such as _NET_ACTIVE_WINDOW. Trying to work around...
Feb 20 19:51:47 Linuxxx gnome-shell[2095]: Window manager warning: W1 appears to be one of the offending windows with a timestamp of 2888954. Working around...
Feb 20 19:52:13 Linuxxx systemd[1920]: vte-spawn-2522dbfb-253a-4cc9-99de-af2e4386b38e.scope: Consumed 2.544s CPU time.
Feb 20 19:52:13 Linuxxx systemd[1920]: gnome-terminal-server.service: Consumed 12.679s CPU time.
Feb 20 19:52:15 Linuxxx systemd[1920]: Started Application launched by gnome-shell.
Feb 20 19:52:16 Linuxxx dbus-daemon[1940]: [session uid=1000 pid=1940] Activating via systemd: service name='org.gnome.Terminal' unit='gnome-terminal-s
Rhythmbox ce' requested by ':1.127' (uid=1000 pid=11972 comm="/usr/bin/gnome-terminal.real " label="unconfined")
Feb 20 19:52:16 Linuxxx systemd[1920]: Starting GNOME Terminal Server...
Feb 20 19:52:17 Linuxxx dbus-daemon[1940]: [session uid=1000 pid=1940] Successfully activated service 'org.gnome.Terminal'
Feb 20 19:52:17 Linuxxx systemd[1920]: Started GNOME Terminal Server.
Feb 20 19:52:17 Linuxxx systemd[1920]: Started VTE child process 12005 launched by gnome-terminal-server process 11981.
Feb 20 19:53:12 Linuxxx systemd[1]: apt-daily-upgrade.service: Deactivated successfully.
Feb 20 19:53:12 Linuxxx systemd[1]: Finished Daily apt upgrade and clean activities.
Feb 20 19:53:12 Linuxxx systemd[1]: apt-daily-upgrade.service: Consumed 2min 22.655s CPU time.
Feb 20 19:54:26 Linuxxx NetworkManager[650]: <Info> [1676915666.9165] manager: NetworkManager state is now CONNECTED_SITE
Feb 20 19:54:26 Linuxxx dbus-daemon[649]: [system] Activating via systemd: service name='org.freedesktop.nm_dispatcher' unit='dbus-org.freedesktop.nm-dispatcher.service' requested by ':1.12' (uid=0 pid=650 comm="/usr/sbin/NetworkManager --no-daemon " label="unconfined")
Feb 20 19:54:26 Linuxxx systemd[1]: Starting Network Manager Script Dispatcher Service...
Feb 20 19:54:27 Linuxxx NetworkManager[650]: <Info> [1676915667.0428] manager: NetworkManager state is now CONNECTED_GLOBAL
Feb 20 19:54:27 Linuxxx dbus-daemon[649]: [system] Successfully activated service 'org.freedesktop.nm_dispatcher'
Feb 20 19:54:27 Linuxxx systemd[1]: Started Network Manager Script Dispatcher Service.
Feb 20 19:54:37 Linuxxx systemd[1]: NetworkManager-dispatcher.service: Deactivated successfully.
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9. find the process id PID of tail process then kill it using kill

- ps -aux
- sudo kill -9 2095