Linux Administration

Assignment - Day 6

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1. Use ps to search for the “systemd” process by name.

→

```
┌──(root💀kali)-[/home/kali]
└─# ps -ef |grep  systemd
root         294       1  0 12:02 ?        00:00:02 /lib/systemd/systemd-journald
root         307       1  0 12:02 ?        00:00:00 /lib/systemd/systemd-udevd
message+     483       1  0 12:03 ?        00:00:01 /usr/bin/dbus-daemon --system --address=systemd:
--nofork --nopidfile --systemd-activation --syslog-only
root         496       1  0 12:03 ?        00:00:01 /lib/systemd/systemd-logind
kali         801       1  0 12:03 ?        00:00:00 /lib/systemd/systemd --user
kali         837     801  0 12:03 ?        00:00:01 /usr/bin/dbus-daemon --session --address=systemd:
 --nofork --nopidfile --systemd-activation --syslog-only
root        1879    1229  0 12:49 pts/0    00:00:00 grep --color=auto systemd
```

2. Find out your terminal name. Using your terminal name, use ps to find all processes associated With your terminal.

→

```
┌──(kali㉿kali)-[~]
└─$ tty
/dev/pts/0
```

```
┌──(kali㉿kali)-[~]
└─$ ps -t pts/0
    PID TTY          TIME CMD
   1179 pts/0    00:00:00 zsh
   1207 pts/0    00:00:00 vi
   1215 pts/0    00:00:07 firefox-esr
   1280 pts/0    00:00:02 file:// Content
   1338 pts/0    00:00:01 WebExtensions
   1366 pts/0    00:00:01 Privileged Cont
   1404 pts/0    00:00:00 Web Content
```

3. Check and note the process id of your shell(from the output of the above command). Also, note the parent process id of your shell.

→

```
┌──(kali㉿kali)-[~]
└─$ ps -t pts/1
    PID TTY          TIME CMD
   1183 pts/1    00:00:00 zsh
   1199 pts/1    00:00:00 bash
   1202 pts/1    00:00:00 vim
   1218 pts/1    00:00:00 mousepad
   1228 pts/1    00:00:13 firefox-esr
   1292 pts/1    00:00:06 file:// Content
   1349 pts/1    00:00:00 Web Content
   1372 pts/1    00:00:01 WebExtensions
   1404 pts/1    00:00:01 Privileged Cont

┌──(kali㉿kali)-[~]
└─$ ps -ef | grep '1199'
kali        1199    1183  0 05:21 pts/1    00:00:00 bash
kali        1530    1486  0 05:24 pts/0    00:00:00 grep --color=auto 1199
┌──(kali㉿kali)-[~]
```

Parent process id → 1183

4. Start 3 instances of "sleep 123" as background processes.

→

```
┌──(kali㉿kali)-[~]
└─$ sleep 123 &
[1] 1635

┌──(kali㉿kali)-[~]
└─$ sleep 123 &
[2] 1637

┌──(kali㉿kali)-[~]
└─$ sleep 123 &
[3] 1639

┌──(kali㉿kali)-[~]
└─$ ps -C sleep
    PID TTY          TIME CMD
   1635 pts/0    00:00:00 sleep
   1637 pts/0    00:00:00 sleep
   1639 pts/0    00:00:00 sleep

┌──(kali㉿kali)-[~]
└─$ ps -fC sleep
UID          PID    PPID  C STIME TTY          TIME CMD
kali        1635    1618  0 05:32 pts/0    00:00:00 sleep 123
kali        1637    1618  0 05:32 pts/0    00:00:00 sleep 123
kali        1639    1618  0 05:32 pts/0    00:00:00 sleep 123
```

5. . Check and note the process id's of all sleep processes.

→

6. Display only those three sleep processes in top. Then quit top.

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