

LetsUpgrade Linux Administration Essentials Batch 1

Assignment Day 6 | 7th December 2020

Step1: Use ps to search for the “systemd” process by name.vv

```
Applications Places Terminal
root@localhost:~

File Edit View Search Terminal Help
[root@localhost ~]# ps -e | grep systemd
  1 ?        00:00:03 systemd
3429 ?        00:00:00 systemd-journal
3468 ?        00:00:01 systemd-udevd
7237 ?        00:00:00 systemd-machine
7266 ?        00:00:00 systemd-logind
[root@localhost ~]#
```

Step2: Find out your terminal name.Using your terminal name, use ps to find all processes associated

#/pts/0 is login terminal for root here

```
root@localhost:~

File Edit View Search Terminal Help
[root@localhost ~]# who
root      :0                2020-12-08 17:26 (:0)
root      pts/0                2020-12-08 17:31 (:0)
[root@localhost ~]# tty
/dev/pts/0
[root@localhost ~]# #root is login in terminal /pts/0
[root@localhost ~]#
```

```
Applications Places Terminal
root@localhost:~

File Edit View Search Terminal Help
[root@localhost ~]# ps -e | grep "pts/0"
 9467 pts/0    00:00:00 bash
 9861 pts/0    00:00:00 ps
 9862 pts/0    00:00:00 grep
[root@localhost ~]# #These three processes are associated with the terminal pts/0
[root@localhost ~]#
```

Step 3: Check and note the process id of your shell(from the output of the above command).

Parent PID Is 9467 and ProcessID Is 9460

```
root      9460      1  0 17:31 ?        00:00:10 /usr/libexec/gnome-terminal-server
root      9466     9460  0 17:31 ?        00:00:00 gnome-pty-helper
root      9467     9460  0 17:31 pts/0    00:00:00 bash
root      9511      2  0 17:31 ?        00:00:00 [kworker/u256:0]
root      9549      1  0 17:33 ?        00:00:07 /usr/bin/nautilus --gapplication-service
root      9645      2  0 17:35 ?        00:00:00 [kworker/0:2]
root      9790      2  0 17:40 ?        00:00:00 [kworker/0:1]
root      9921      2  0 17:45 ?        00:00:00 [kworker/0:0]
root      9946     9467  0 17:46 pts/0    00:00:00 less
root      9960     7393  0 17:47 ?        00:00:00 sleep 60
root      9961     9467  0 17:47 pts/0    00:00:00 ps -ef
[root@localhost ~]#
```

Step 4: Start 3 instances of “sleep 123” as background processes.

```
Applications Places Terminal
root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# sleep 123
^Z
[1]+  Stopped                  sleep 123
[root@localhost ~]# sleep 123 &
[2]  9410
[root@localhost ~]# sleep 123 &
[3]  9417
[root@localhost ~]# sleep 123 &
[4]  9424
[root@localhost ~]#
```

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

```
9389 ?        00:00:00 sleep
9399 pts/0    00:00:00 sleep
9410 pts/0    00:00:00 sleep
9417 pts/0    00:00:00 sleep
9424 pts/0    00:00:00 sleep
9438 ?        00:00:00 gvfsd-metadata
9441 pts/0    00:00:00 ps
[root@localhost ~]#
```

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

```
Applications Places Terminal
root@localhost:~

File Edit View Search Terminal Help
[root@localhost ~]# top -b | grep sleep
Tasks: 295 total, 1 running, 293 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952   356    284 T  0.0  0.0   0:00.00 sleep
 9410 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9417 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9424 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9455 root      20    0 107952   356    284 S  0.0  0.0   0:00.00 sleep
Tasks: 295 total, 3 running, 291 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952   356    284 T  0.0  0.0   0:00.00 sleep
 9410 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9417 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9424 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9455 root      20    0 107952   356    284 S  0.0  0.0   0:00.00 sleep
```

```
Applications Places Terminal
root@localhost:~

File Edit View Search Terminal Help
[root@localhost ~]# top -b | grep sleep
Tasks: 295 total, 1 running, 293 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952   356    284 T  0.0  0.0   0:00.00 sleep
 9410 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9417 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9424 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9455 root      20    0 107952   356    284 S  0.0  0.0   0:00.00 sleep
Tasks: 295 total, 3 running, 291 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952   356    284 T  0.0  0.0   0:00.00 sleep
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 9417 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9424 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
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Tasks: 295 total, 1 running, 293 sleeping, 1 stopped, 0 zombie
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 9410 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9417 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9424 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9455 root      20    0 107952   356    284 S  0.0  0.0   0:00.00 sleep
Tasks: 295 total, 2 running, 292 sleeping, 1 stopped, 0 zombie
 9399 root      20    0 107952   356    284 T  0.0  0.0   0:00.00 sleep
 9410 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9417 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9424 root      20    0 107952   360    284 S  0.0  0.0   0:00.00 sleep
 9455 root      20    0 107952   356    284 S  0.0  0.0   0:00.00 sleep
^C
[root@localhost ~]#
```

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