Linux Daily Commands:

man ps

Command	Meaning
ps	Shows processes in current shell
ps -e	Show all processes
ps -ef	Full-format listing (most common in servers)
ps aux	BSD-style full list
ps -u username	Processes of specific user
ps -p PID	Check specific process
ps --sort=-%cpu	Sort by CPU usage

ps -eo pid,ppid,cmd,%mem,%cpu --sort=-%cpu | head

PID	PPID	CMD	%MEM	%CPU
1	0	/sbin/init	1.4	0.5
612	1	/usr/lib/snapd/snapd	4.5	0.4
1464	1	/snap/amazon-ssm-agent/1232	2.2	0.3
1357	1	/usr/libexec/fwupd/fwupd	4.4	0.1
583	1	@dbus-daemon --system --add	0.5	0.0
128	1	/usr/lib/systemd/systemd-jo	1.6	0.0
1025	911	sshd: ubuntu@pts/0	0.7	0.0
198	1	/usr/lib/systemd/systemd-ud	0.8	0.0
595	1	/usr/bin/python3 /usr/bin/n	2.2	0.0

man top

Key	Action
P	Sort by CPU
M	Sort by Memory
k	Kill process
r	Renice process
1	Show per-core CPU
q	Quit

Top

```
top - 06:46:49 up 9 min,  1 user,  load average: 0.01, 0.03, 0.00
Tasks: 114 total,   2 running, 112 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.2 us,  0.0 sy,  0.0 ni, 99.8 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :    914.2 total,    235.1 free,    351.6 used,    488.1 buff/cache
MiB Swap:      0.0 total,      0.0 free,      0.0 used.    562.6 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
      1 root      20   0   22708  13948   9612 S   0.0   1.5   0:02.51 systemd
      2 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kthreadd
      3 root      20   0       0      0      0 S   0.0   0.0   0:00.00 pool_workqueue_release
      4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-rcu_gp
      5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-sync_wq
      6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-kvfree_rcu_reclaim
      7 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-slub_flushwq
      8 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-netns
     10 root      20   0       0      0      0 I   0.0   0.0   0:00.02 kworker/0:1-cgroup_destroy
     11 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
     12 root      20   0       0      0      0 I   0.0   0.0   0:00.10 kworker/u8:0-events_power_efficient
     13 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-mm_percpu_wq
     14 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
     15 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
     16 root      20   0       0      0      0 S   0.0   0.0   0:00.01 ksoftirqd/0
     17 root      20   0       0      0      0 I   0.0   0.0   0:00.07 rcu_sched
     18 root      20   0       0      0      0 S   0.0   0.0   0:00.00 rcu_exp_par_gp_kthread_worker/0
     19 root      20   0       0      0      0 S   0.0   0.0   0:00.00 rcu_exp_gp_kthread_worker
     20 root      rt   0       0      0      0 S   0.0   0.0   0:00.00 migration/0
     21 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/0
     22 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
     23 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/1
     24 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/1
     25 root      rt   0       0      0      0 S   0.0   0.0   0:00.06 migration/1
     26 root      20   0       0      0      0 S   0.0   0.0   0:00.02 ksoftirqd/1
     28 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/1:0H-events_highpri
     29 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
     30 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-inet_frag_wq
     31 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kauditd
     32 root      20   0       0      0      0 S   0.0   0.0   0:00.00 khungtaskd
     33 root      20   0       0      0      0 I   0.0   0.0   0:00.08 kworker/u8:1-events_power_efficient
     34 root      20   0       0      0      0 S   0.0   0.0   0:00.00 oom_reaper
     35 root      20   0       0      0      0 I   0.0   0.0   0:00.00 kworker/u8:2-flush-259:0
     36 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-writeback
```

Systemctl — Manage Systemd Services

man systemctl

Command	Meaning
systemctl status nginx	Check service status
systemctl start nginx	Start service
systemctl stop nginx	Stop service
systemctl restart nginx	Restart service
systemctl enable nginx	Start on boot
systemctl disable nginx	Disable at boot
systemctl list-units --type=service	List active services

systemctl status apache2

journalctl -u apache2

```
root@ip-172-31-17-22:/home/ubuntu# sudo systemctl start httpd
Failed to start httpd.service: Unit httpd.service not found.
root@ip-172-31-17-22:/home/ubuntu# sudo systemctl start apache2
root@ip-172-31-17-22:/home/ubuntu# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Sat 2026-02-21 06:52:00 UTC; 49s ago
       Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 2738 (apache2)
      Tasks: 55 (limit: 1017)
     Memory: 5.3M (peak: 5.6M)
        CPU: 41ms
     CGroup: /system.slice/apache2.service
             ├─2738 /usr/sbin/apache2 -k start
             ├─2741 /usr/sbin/apache2 -k start
             └─2742 /usr/sbin/apache2 -k start

Feb 21 06:52:00 ip-172-31-17-22 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Feb 21 06:52:00 ip-172-31-17-22 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-17-22:/home/ubuntu# sudo jouralctl start apache2
sudo: jouralctl: command not found
root@ip-172-31-17-22:/home/ubuntu# journalctl -u apache2
Feb 21 06:52:00 ip-172-31-17-22 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Feb 21 06:52:00 ip-172-31-17-22 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-17-22:/home/ubuntu#
```