

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -eo pid,ppid,user,stat,comm | head
```

PID	PPID	USER	STAT	COMMAND
1	0	root	Ss	systemd
2	1	root	Sl	init-systemd(Ub
9	2	root	Sl	init
40	1	root	S<s	systemd-journal
94	1	root	Ss	systemd-udev
122	1	systemd+	Ss	systemd-resolve
160	1	root	Ssl	alertmanager
161	1	root	Ss	cron
162	1	message+	Ss	dbus-daemon

```
root@DESKTOP-IEMRB2F:~/process-mgmt# sudo kill -1 122
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# sudo kill -9 122
```

```
kill: (122): No such process
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# sudo kill -9 162
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -eo pid,ppid,user,stat,comm | head
```

PID	PPID	USER	STAT	COMMAND
1	0	root	Rs	systemd
2	1	root	Sl	init-systemd(Ub
9	2	root	Sl	init
40	1	root	S<s	systemd-journal
94	1	root	Ss	systemd-udev
160	1	root	Ssl	alertmanager
161	1	root	Ss	cron
170	1	root	Ssl	prometheus
175	1	root	Ss	systemd-logind

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
○ nginx.service - A high performance web server and a reverse proxy server
```

```
Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
```

```
Active: inactive (dead)
```

```
Docs: man:nginx(8)
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# susyemctl status nginx
```

```
susyemctl: command not found
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
○ nginx.service - A high performance web server and a reverse proxy server
```

Select root@DESKTOP-IEMRB2F: ~/process-mgmt

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kill: (122): No such process
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root@DESKTOP-IEMRB2F:~/process-mgmt# sudo kill -9 162
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root@DESKTOP-IEMRB2F:~/process-mgmt# ps -eo pid,ppid,user,stat,comm | head
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PID	PPID	USER	STAT	COMMAND
1	0	root	Rs	systemd
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9	2	root	Sl	init
40	1	root	S<s	systemd-journal
94	1	root	Ss	systemd-udev
160	1	root	Ssl	alertmanager
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```
root@DESKTOP-IEMRB2F:~/process-mgmt# susyemctl status nginx
```

```
susyemctl: command not found
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
○ nginx.service - A high performance web server and a reverse proxy server
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```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -eo pid,ppid,user,stat,comm | head
```

PID	PPID	USER	STAT	COMMAND
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○ nginx.service - A high performance web server and a reverse proxy server
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```
root@DESKTOP-IEMRB2F:~/process-mgmt# susyemctl status nginx
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```
susyemctl: command not found
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```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
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```
○ nginx.service - A high performance web server and a reverse proxy server
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Select root@DESKTOP-IEMRB2F: ~/process-mgmt

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Active: inactive (dead)
Docs: man:nginx(8)
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
○ nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: inactive (dead)
   Docs: man:nginx(8)
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl start nginx
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:26:18 UTC; 10s ago
   Docs: man:nginx(8)
  Process: 1346 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1348 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
 Main PID: 1349 (nginx)
    Tasks: 5 (limit: 4626)
  Memory: 5.0M (peak: 5.6M)
     CPU: 76ms
  CGroup: /system.slice/nginx.service
          └─1349 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             └─1350 "nginx: worker process"
                └─1351 "nginx: worker process"
                   └─1352 "nginx: worker process"
                      └─1353 "nginx: worker process"

Jan 22 09:26:17 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:26:18 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl stop nginx
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
○ nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: inactive (dead)
   Docs: man:nginx(8)
```

└─1353 "nginx: worker process"

Jan 22 09:26:17 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...

Jan 22 09:26:18 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl stop nginx

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx

○ nginx.service - A high performance web server and a reverse proxy server

Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)

Active: inactive (dead)

Docs: man:nginx(8)

Jan 22 09:26:17 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...

Jan 22 09:26:18 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: Stopping nginx.service - A high performance web server and a reverse proxy server...

Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: nginx.service: Deactivated successfully.

Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: Stopped nginx.service - A high performance web server and a reverse proxy server.

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl restart nginx

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx

● nginx.service - A high performance web server and a reverse proxy server

Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)

Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 6s ago

Docs: man:nginx(8)

Process: 1385 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master\_process on; (code=exited, status=0/SUCCESS)

Process: 1387 ExecStart=/usr/sbin/nginx -g daemon on; master\_process on; (code=exited, status=0/SUCCESS)

Main PID: 1388 (nginx)

Tasks: 5 (limit: 4626)

Memory: 3.6M (peak: 4.1M)

CPU: 58ms

CGroup: /system.slice/nginx.service

└─1388 "nginx: master process /usr/sbin/nginx -g daemon on; master\_process on;"

└─1389 "nginx: worker process"

└─1390 "nginx: worker process"

└─1391 "nginx: worker process"

└─1392 "nginx: worker process"



Select root@DESKTOP-IEMRB2F: ~/process-mgmt

```
Jan 22 09:26:18 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: Stopping nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: nginx.service: Deactivated successfully.
Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: Stopped nginx.service - A high performance web server and a reverse proxy server.
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl restart nginx
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 6s ago
     Docs: man:nginx(8)
  Process: 1385 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1387 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
 Main PID: 1388 (nginx)
    Tasks: 5 (limit: 4626)
  Memory: 3.6M (peak: 4.1M)
     CPU: 58ms
  CGroup: /system.slice/nginx.service
          └─1388 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
          └─1389 "nginx: worker process"
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          └─1391 "nginx: worker process"
          └─1392 "nginx: worker process"
```

```
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl reload nginx
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 28s ago
     Docs: man:nginx(8)
  Process: 1385 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1387 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1406 ExecReload=/usr/sbin/nginx -g daemon on; master_process on; -s reload (code=exited, status=0/SUCCESS)
 Main PID: 1388 (nginx)
```

Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl reload nginx

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
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     Docs: man:nginx(8)
  Process: 1385 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1387 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1406 ExecReload=/usr/sbin/nginx -g daemon on; master_process on; -s reload (code=exited, status=0/SUCCESS)
 Main PID: 1388 (nginx)
    Tasks: 5 (limit: 4626)
  Memory: 3.8M (peak: 7.3M)
     CPU: 104ms
  CGroup: /system.slice/nginx.service
          └─1388 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
          └─1407 "nginx: worker process"
          └─1409 "nginx: worker process"
          └─1410 "nginx: worker process"
          └─1411 "nginx: worker process"
```

Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...

Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.

Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloading nginx.service - A high performance web server and a reverse proxy server...

Jan 22 09:27:30 DESKTOP-IEMRB2F nginx[1406]: 2026/01/22 09:27:30 [notice] 1406#1406: signal process started

Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 1min 0s ago
     Docs: man:nginx(8)
  Process: 1385 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1387 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 1406 ExecReload=/usr/sbin/nginx -g daemon on; master_process on; -s reload (code=exited, status=0/SUCCESS)
 Main PID: 1388 (nginx)
```

```
Jan 22 09:27:30 DESKTOP-IEMRB2F nginx[1406]: 2026/01/22 09:27:30 [notice] 1406#1406: signal process started
Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.
root@DESKTOP-IEMRB2F:~/process-mgmt# journalctl -u nginx --since "1 hour ago"
Jan 22 09:26:17 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:26:18 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: Stopping nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: nginx.service: Deactivated successfully.
Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: Stopped nginx.service - A high performance web server and a reverse proxy server.
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
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Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloading nginx.service - A high performance web server and a reverse proxy server...
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Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl enablr nginx
Unknown command verb 'enablr', did you mean 'enable'?
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable nginx
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /usr/lib/systemd/system/nginx.service.
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 3min 29s ago
     Docs: man:nginx(8)
  Main PID: 1388 (nginx)
    Tasks: 5 (limit: 4626)
   Memory: 3.8M (peak: 7.3M)
      CPU: 104ms
   CGroup: /system.slice/nginx.service
           └─1388 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
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Select root@DESKTOP-IEMRB2F: ~/process-mgmt

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Jan 22 09:26:51 DESKTOP-IEMRB2F systemd[1]: nginx.service: Deactivated successfully.
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root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl enablr nginx
Unknown command verb 'enablr', did you mean 'enable'?
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable nginx
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service -> /usr/lib/systemd/system/nginx.service.
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 3min 29s ago
     Docs: man:nginx(8)
  Main PID: 1388 (nginx)
    Tasks: 5 (limit: 4626)
   Memory: 3.8M (peak: 7.3M)
      CPU: 104ms
   CGroup: /system.slice/nginx.service
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           └─1411 "nginx: worker process"

Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
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Jan 22 09:27:30 DESKTOP-IEMRB2F nginx[1406]: 2026/01/22 09:27:30 [notice] 1406#1406: signal process started
Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl disable nginx
```

Select root@DESKTOP-IEMRB2F: ~/process-mgmt

```
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloading nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:27:30 DESKTOP-IEMRB2F nginx[1406]: 2026/01/22 09:27:30 [notice] 1406#1406: signal process started
Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl disable nginx
```

```
Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
```

```
Executing: /usr/lib/systemd/systemd-sysv-install disable nginx
```

```
Removed "/etc/systemd/system/multi-user.target.wants/nginx.service".
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
• nginx.service - A high performance web server and a reverse proxy server
  Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
  Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 3min 59s ago
    Docs: man:nginx(8)
  Main PID: 1388 (nginx)
    Tasks: 5 (limit: 4626)
  Memory: 3.8M (peak: 7.3M)
    CPU: 104ms
  CGroup: /system.slice/nginx.service
          └─1388 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
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Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloading nginx.service - A high performance web server and a reverse proxy server...
Jan 22 09:27:30 DESKTOP-IEMRB2F nginx[1406]: 2026/01/22 09:27:30 [notice] 1406#1406: signal process started
Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl is-enabled nginx
```

```
disabled
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
• nginx.service - A high performance web server and a reverse proxy server
  Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
  Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 4min 50s ago
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl is-enabled nginx
disabled
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl status nginx
```

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; preset: enabled)
   Active: active (running) since Thu 2026-01-22 09:27:09 UTC; 4min 50s ago
     Docs: man:nginx(8)
  Main PID: 1388 (nginx)
    Tasks: 5 (limit: 4626)
   Memory: 3.8M (peak: 7.3M)
      CPU: 104ms
   CGroup: /system.slice/nginx.service
           └─1388 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
           └─1407 "nginx: worker process"
           └─1409 "nginx: worker process"
           └─1410 "nginx: worker process"
           └─1411 "nginx: worker process"
```

```
Jan 22 09:27:09 DESKTOP-IEMRB2F systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
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```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl is-enabled nginx
disabled
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# top
```

```
top - 09:37:03 up 1:26, 2 users, load average: 0.05, 0.13, 0.36
Tasks: 34 total, 1 running, 33 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.3 us, 0.5 sy, 0.0 ni, 99.2 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 3865.2 total, 1440.1 free, 816.2 used, 1773.1 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used, 3049.1 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	22032	13164	9580	S	0.3	0.3	0:12.47	systemd
40	root	19	-1	50724	16768	15872	S	0.3	0.4	0:01.69	systemd-journal



Select root@DESKTOP-IEMRB2F: ~/process-mgmt

Jan 22 09:27:30 DESKTOP-IEMRB2F systemd[1]: Reloaded nginx.service - A high performance web server and a reverse proxy server.

root@DESKTOP-IEMRB2F:~/process-mgmt# systemctl is-enabled nginx  
disabled

root@DESKTOP-IEMRB2F:~/process-mgmt# top

top - 09:37:03 up 1:26, 2 users, load average: 0.05, 0.13, 0.36  
Tasks: 34 total, 1 running, 33 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.3 us, 0.5 sy, 0.0 ni, 99.2 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
MiB Mem : 3865.2 total, 1440.1 free, 816.2 used, 1773.1 buff/cache  
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 3049.1 avail Mem

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	22032	13164	9580	S	0.3	0.3	0:12.47	systemd
40	root	19	-1	50724	16768	15872	S	0.3	0.4	0:01.69	systemd-journal
160	root	20	0	1255072	35800	22400	S	0.3	0.9	0:03.64	alertmanager
1261	systemd+	20	0	21456	13056	10880	S	0.3	0.3	0:00.29	systemd-resolve
2	root	20	0	3120	2048	1920	S	0.0	0.1	0:00.03	init-systemd(Ub
9	root	20	0	3120	1792	1792	S	0.0	0.0	0:00.00	init
94	root	20	0	25172	6400	4992	S	0.0	0.2	0:00.36	systemd-udevd
161	root	20	0	4236	2560	2432	S	0.0	0.1	0:00.01	cron
170	root	20	0	1483788	88448	58956	S	0.0	2.2	0:03.01	prometheus
175	root	20	0	18156	8576	7680	S	0.0	0.2	0:00.22	systemd-logind
211	root	20	0	19552	8448	7296	S	0.0	0.2	0:00.07	(agetty)
214	root	20	0	1949716	48596	34304	S	0.0	1.2	0:01.17	containerd
218	syslog	20	0	222508	5504	4608	S	0.0	0.1	0:00.55	rsyslogd
222	root	20	0	3116	1920	1792	S	0.0	0.0	0:00.02	agetty
267	root	20	0	2051852	74308	52864	S	0.0	1.9	0:01.21	dockerd
648	root	20	0	3124	768	768	S	0.0	0.0	0:00.00	SessionLeader
650	root	20	0	3140	1152	1024	S	0.0	0.0	0:00.29	Relay(654)
654	asmat	20	0	10004	9216	3584	S	0.0	0.2	0:00.14	bash
655	root	20	0	6692	4608	3840	S	0.0	0.1	0:00.03	login
702	asmat	20	0	20356	11264	9216	S	0.0	0.3	0:00.39	systemd
703	asmat	20	0	21152	3520	1792	S	0.0	0.1	0:00.00	(sd-pam)
729	asmat	20	0	9888	8832	3456	S	0.0	0.2	0:00.07	bash
1184	root	20	0	14316	6940	5760	S	0.0	0.2	0:00.53	sudo
1187	root	20	0	14316	2536	1280	S	0.0	0.1	0:00.00	sudo

Select root@DESKTOP-IEMRB2F: ~/process-mgmt

```
1191 root    20    0   20356 11392   9344 S    0.0   0.3   0:00.58 systemd
1192 root    20    0   21156 3504    1792 S    0.0   0.1   0:00.00 (sd-pam)
1212 root    20    0    5124 4096    3584 S    0.0   0.1   0:00.21 bash
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p <PID> -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
bash: PID: No such file or directory
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 1 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
   1         0 root        1.4  0.3  Ss         14:49 /sbin/init
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 40 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
   40         1 root        0.1  0.4  S<s        15:00 /usr/lib/systemd/systemd-journald
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 160 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
   160         1 root        0.4  0.9  Ss1        15:08 /home/asmat/alertmanager-0.28.1.linux-amd64/alertmanager --config.file=/home/asmat
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 211 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
   211         1 root        0.0  0.2  Ss         15:19 (agetty)
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 654 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
   654    650 asmat      0.0  0.2  Ss         15:21 -bash
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 702 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
   702         1 asmat      0.0  0.2  Ss         15:30 /usr/lib/systemd/systemd --user
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# ps -p 1187 -o pid,ppid,user,%cpu,%mem,stat,etime,cmd
```

```
  PID    PPID  USER      %CPU %MEM  STAT      ELAPSED CMD
  1187   1184 root        0.0  0.0  Ss         15:32 sudo su
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# free -h
```

```
              total        used        free      shared  buff/cache   available
Mem:          3.8Gi        812Mi        1.4Gi        4.4Mi        1.7Gi        3.0Gi
Swap:          1.0Gi           0B          1.0Gi
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# iostat -xz 1 5
```

```
Command 'iostat' not found, but can be installed with:
```

```
apt install sysstat
```

```
root@DESKTOP-IEMRB2F:~/process-mgmt# apt install sysstat
```

```
Reading package lists... Done
```

Select root@DESKTOP-IEMRB2F: ~/process-mgmt

root@DESKTOP-IEMRB2F:~/process-mgmt# iostat -xz 1 5

Linux 6.6.87.2-microsoft-standard-WSL2 (DESKTOP-IEMRB2F)

01/22/26

\_x86\_64\_

(4 CPU)

avg-cpu: %user %nice %system %iowait %steal %idle  
 1.19 0.00 1.42 7.60 0.00 89.79

Device		r/s	rkB/s	rrqm/s	%rrqm	r_await	rareq-sz	w/s	wkB/s	wrqm/s	%wrqm	w_await	wareq-sz	d/s	dkB/s
	drqm/s	%drqm	d_await	dareq-sz	f/s	f_await	aqu-sz	%util							
loop0			0.02	0.38	0.00	0.00	39.80	22.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05							
loop1			0.57	47.00	0.00	0.00	354.44	82.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.20	4.90							
sda			0.20	13.20	0.08	27.83	23.49	65.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36							
sdb			0.04	2.08	0.01	25.36	63.03	56.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16							
sdc			0.02	0.40	0.00	0.00	0.68	22.73	0.00	0.00	0.00	0.00	122.00	2.00	0.00
	0.00	0.00	0.00	0.00	0.00	165.00	0.00	0.01							
sdd			0.11	4.85	0.04	26.52	30.21	44.12	0.04	0.04	0.00	5.91	22.74	1.03	0.00
	0.00	0.00	0.50	3.50	0.00	102.63	0.00	0.28							
sde			2.75	61.91	0.21	6.96	53.83	22.55	0.14	3.61	0.77	84.60	323.76	25.88	0.00
	0.00	0.00	0.00	0.00	0.02	84.33	0.19	6.30							
sdf			5.87	301.32	2.41	29.11	33.95	51.36	5.10	93.20	3.03	37.27	50.77	18.28	0.10
	0.01	10.44	1.49	5715.36	0.52	53.32	0.49	7.35							

avg-cpu: %user %nice %system %iowait %steal %idle  
 0.26 0.00 1.28 0.00 0.00 98.47

Device		r/s	rkB/s	rrqm/s	%rrqm	r_await	rareq-sz	w/s	wkB/s	wrqm/s	%wrqm	w_await	wareq-sz	d/s	dkB/s
	drqm/s	%drqm	d_await	dareq-sz	f/s	f_await	aqu-sz	%util							

avg-cpu: %user %nice %system %iowait %steal %idle  
 0.25 0.00 0.00 0.00 0.00 99.75



	0.25	0.00	0.00	0.00	0.00	99.75								
Device	r/s	rkB/s	rrqm/s	%rrqm	r_await	rareq-sz	w/s	wkB/s	wrqm/s	%wrqm	w_await	wareq-sz	d/s	dkB/s
drqm/s	%drqm	d_await	dareq-sz	f/s	f_await	aqu-sz	%util							
avg-cpu:	%user	%nice	%system	%iowait	%steal	%idle								
	0.00	0.00	0.00	0.00	0.00	100.00								
Device	r/s	rkB/s	rrqm/s	%rrqm	r_await	rareq-sz	w/s	wkB/s	wrqm/s	%wrqm	w_await	wareq-sz	d/s	dkB/s
drqm/s	%drqm	d_await	dareq-sz	f/s	f_await	aqu-sz	%util							
avg-cpu:	%user	%nice	%system	%iowait	%steal	%idle								
	2.53	0.00	2.53	1.26	0.00	93.69								
Device	r/s	rkB/s	rrqm/s	%rrqm	r_await	rareq-sz	w/s	wkB/s	wrqm/s	%wrqm	w_await	wareq-sz	d/s	dkB/s
drqm/s	%drqm	d_await	dareq-sz	f/s	f_await	aqu-sz	%util							
sd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	24.00	4.00	66.67	36.50	12.00	0.00
	0.00	0.00	0.00	0.00	2.00	29.50	0.13	7.20						

root@DESKTOP-IEMRB2F:~/process-mgmt#

Select root@DESKTOP-IEMRB2F: ~/process-mgmt

avg-cpu.: command not found

root@DESKTOP-IEMRB2F:~/process-mgmt# sudo ss -tulpn | grep nginx

```
tcp    LISTEN 0      511      0.0.0.0:80      0.0.0.0:*      users: (("nginx",pid=1411,fd=5), ("nginx",pid=1410,fd=5), ("nginx",pid=1409,fd=5), ("nginx",pid=1407,fd=5), ("nginx",pid=1388,fd=5))
```

```
tcp    LISTEN 0      511      [::]:80        [::]:*        users: (("nginx",pid=1411,fd=6), ("nginx",pid=1410,fd=6), ("nginx",pid=1409,fd=6), ("nginx",pid=1407,fd=6), ("nginx",pid=1388,fd=6))
```

root@DESKTOP-IEMRB2F:~/process-mgmt#