

To start the top command, simply type top in your

The display updates periodically, showing a snapshot of

top Command Cheatsheet

A comprehensive guide to the `top` command, covering process monitoring, system resource usage, and interactive commands for Unix-like operating systems.



Basic Usage

Starting top

terminal

top

Understanding the Display

The top display is divided into two main sections:

- 1. Summary Area: Displays overall system statistics.
- 2. Task Area: Lists the processes being managed by the kernel.

Summary Area Fields

uptime	Shows how long the system has been running, the number of logged-in users, and the system load average.
Tasks	Displays the total number of tasks, along with their statuses (running, sleeping, stopped, zombie).
%Cpu(s)	Shows CPU usage statistics (user, system, idle, etc.).
KiB Mem	Displays memory usage (total, free, used, buffer/cache).
KiB Swap	Shows swap space usage.

Interactive Commands

Displays the help menu.

Quits the top program.

Shows CPU usage per core (if supported).

Basic Commands

h

q

1

the system's processes.

Sorting Processes

Sorts processes by CPU usage Shift + (descending). р Shift + Sorts processes by memory usage m (descending). Shift + Sorts processes by PID (Process ID). n Shift + Reverses the sorting order. r Shift + Sorts processes by runtime. t

Filtering Processes

- u Filters processes by username. Prompts for a username Adds a filter based on other fields. Prompts for a 0 filter condition.
- Clears all active filters. =

Process Management

Killing Processes

k	Kills a process. Prompts for the PID of the process to kill and the signal to send		Renices a process. Prompts for the PID of the process and the new nice value.
	(default is 15, SIGTERM).	Note	Only root can increase the priority (lower the nice value) of a process.
Example	To kill a process with PID 1234 using the default SIGTERM signal:	Example	To renice a process with PID 5678 to a nice value of 10:
	 Press k. Enter 1234 when prompted for the PID. Press Enter to accept the default signal (15). 		 Press r. Enter 5678 when prompted for the PID.
			3. Enter 10 when prompted for the new nice value.

Changing Priority (Renice)

Advanced Features

f

d

or

S

Customizing Display Fields

Alternate Displays

Adds or removes fields from the task display. Allows you to customize which columns are	V	Toggles forest view, showing parent-child relationships between processes.
shown. Changes the delay time between screen updates	С	Toggles the display of the full command path instead of just the command name.
in seconds. d prompts for the new delay, s toggles between preset delays. Default is 3 seconds.	Shift + 1	Search for the string.

Command Line Options

top -u <username> : Starts top, displaying only</username>
processes owned by <username> .</username>
Example:
top -u www-data
top -p <pid> : Starts top, displaying only the processwith PID <pid>.</pid></pid>
Example:
top -p 1234
top -n <number> : Exits after <number> iterations.</number></number>
Example:
top -n 5

top -b : Batch mode operation