



Linux System Check

Gather insights into resource usage, running processes, users, logs, network and hardware configurations.



Basic System Info

uname -a	Displays kernel version and system architecture.
cat /proc/cmdline	Shows kernel boot parameters.
cat /etc/release	Provides OS release information.
uptime	Displays how long the system has been running and load averages.



User Info

w	Shows who is currently logged in and their activity.
who	Lists logged-in users.
last	Shows a history of user logins.
jobs	Lists background jobs in the current shell.



Process and Job Management

ps	Displays active processes for the current user.
ps aux	Shows all running processes with details.
top / htop	Provides a dynamic real-time view of active processes.
pstree	Shows running processes in a tree format.
pgrep 'process'	Searches for processes by name.
at -q	Displays jobs scheduled with at.
crontab -l	Lists scheduled cron jobs for the current user.



Memory and Swap Usage

free -h	Displays memory usage with human-readable units.
swapon	Shows active swap partitions and files.
cat	Provides detailed memory usage statistics (additional).



Storage & FS Info

lsblk	Displays kernel and boot messages.
blkid	Shows block storage information with additional options.
df -h	Displays free diskspace in a human readable format.
du -sh	Summarizes disk usage in a human readable format.
mount column -t	Lists mounted filesystems with details (additional).



Network Configuration and Status

ip addr or ip	Shows IP addresses for network interfaces.
ifconfig -a	Displays all network interfaces and their configurations.
ethtool eth0	Shows detailed information about the network interface (replace eth0 with the actual interface)
ss -tln	Lists open ports and listening services (additional).
netstat -tln	Lists open TCIP, UDP, Listening ports and Displays port addresses in numeric format (additional).



Hardware Information

lshw	Provides detailed hardware information.
lscpu	Displays CPU architecture information (additional).
lspci	Displays list of PCI devices.
lsusb	Displays list of USB devices.
dmidecode	Shows detailed system hardware and BIOS information (additional, may require sudo).



System Logs and Boot Messages

dmesg less	Displays kernel and boot messages.
journalctl	Shows the systemd journal logs (for systemd systems).
cat /var/log/syslog	Displays general system logs.
cat /var/log/messages	Displays general system messages.
strace	System Trace will capture granular sys call handling info.



Monitoring & Watching Activity

watch <command>	Displays kernel and boot messages.
vmstat	Provides real-time system performance statistics (additional).
iostat	Shows CPU and I/O statistics (additional if available).

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