



Linux Administration Quick Reference

Essential Commands Every Linux Administrator Should Know

Category	Command	Purpose
Navigation	pwd	Show current directory
	ls -lah	List files with details
	cd /path	Change directory
Files	cp	Copy files
	mv	Move or rename
	rm -r	Remove directories
	mkdir	Create directory
Permissions	ls -l	View permissions
	chmod 755 file	Change permissions
	chown user:group file	Change ownership
Users	whoami	Current user
	id	User and group IDs
	sudo command	Run as administrator
Processes	ps -ef	View processes
	top	Live process monitor
	kill PID	Stop process
Services	systemctl status ssh	Service status

	systemctl start stop	Manage service
Networking	ip a	Show IP addresses
	ping host	Connectivity test
	ss -tulpn	Listening ports
Storage	df -h	Disk usage
	du -sh *	Folder sizes
Logs	journalctl -xe	Recent system logs
	tail -f /var/log/syslog	Watch log file
Packages	apt update	Refresh packages
	apt upgrade	Install updates
Help	man command	Manual page
	command --help	Quick help

Pro Tips

- Use **Tab** to auto-complete commands and file names.
- Use the **Up Arrow** to recall previous commands.
- Combine commands with pipes (|) to filter output.
- Verify permissions with **ls -l** before changing them.

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