CHEATHERD macOS Terminal Cheat Sheet SHEETS HERD A comprehensive cheat sheet covering macOS Terr

🎐 A comprehensive cheat sheet covering macOS Terminal commands, shortcuts, configurations, and tips for efficient command-line usage.



Navigation Commands

		_
pwd	Print working directory (shows the current directory path).	d
ls	List directory contents. Use $1s - 1$ for detailed list, $1s - a$ to show hidden files, $1s - t$ to sort by modification time.	0 f
cd direc tory	Change directory. Use cd to go up one level, cd ~ to go to the home directory, cd - to return to the previous directory.	s d a
open	Opens the current directory in Finder.	s
push d direc tory	Push current directory onto stack and change to new directory.	d a f
pop d	Pop directory off the stack and change to it.	

File Operations		
mkdir direct ory	Create a new directory.	
touch file	Create an empty file or update the access and modification times of an existing file.	
cp source destin ation	Copy a file or directory. Use cp -r for recursive copying of directories.	
mv source destin ation	Move or rename a file or directory.	
rm file	Remove a file. Use <u>rm</u> -r directory to remove a directory and its contents recursively. Use <u>rm</u> -f to force removal (be careful!).	
rmdir direct ory	Remove an empty directory.	

File Viewing

ca t fil e	Display the entire file content.
le ss fil e	View file content page by page. Use space to go to the next page, b to go back, q to quit.
he ad fil e	Display the first few lines of a file (default 10 lines). Use head -n [number] to specify the number of lines.
ta il fil e	Display the last few lines of a file (default 10 lines). Use tail -n [number] to specify the number of lines. tail -f file to follow the file in real time.
op en fil e	Opens the file with its default application.
fi le fil e	Determine file type.

Searching & Text Manipulation

Searching		Text Manipula	ation
grep pattern file	Search for a pattern in a file. Use grep -i for case- insensitive search, grep -r for recursive search in directories, grep -v to invert the match.	sed 's/old/new/ g' file	Replace all occurrences of 'old' with 'new' in a file. The g flag means global replacement. Use sed -i to modify the file in-place.
find directory - name	Find files by name within a directory. For example, find . -name "*.txt".	awk '{print \$1}' file	Print the first column of each line in a file. \$1 , \$2 , etc. refer to the columns, and \$0 refers to the entire line.
filename mdfind	Spotlight search from the command line. For example, mdfind "text content". Find files by name using a pre-built database. You may need to run sudo /usr/libexec/locate.updatedb to update the database first.	sort file	Sort the lines in a file. Use sort -n for numerical sorting, sort -r for reverse order.
query locate		uniq file	Remove duplicate lines from a sorted file. Use uniq -c to count occurrences.
filename		tr 'a-z' 'A-Z' <	Convert lowercase characters to uppercase.
		<pre>file cut -d ','</pre>	Cut out sections of each line. (-d) specifies the delimiter,

-f 1 file

and -f specifies the field to extract.

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System Information

uname - a	Display system information (kernel name, network node hostname, kernel release, kernel version, machine hardware name, and operating system).
sw_ver	Display macOS software version information.
system_ profiler SPSoftwa reDataTy pe	Detailed system software information.
df -h	Display disk space usage in a human- readable format.
du -sh director y	Display the disk usage of a directory in a human-readable format.
top	Display a dynamic real-time view of running processes.

Process Management

ps aux	Display all running processes.
kill pid	Terminate a process by its process ID (PID). Use kill -9 pid to forcefully terminate a process.
killal l process name	Terminate all processes with the given name.
bg	Move a process to the background.
fg	Move a process to the foreground.
jobs	List active jobs.

Networking

ping hostna me	Test network connectivity to a host.
ifcon fig	Display network interface configuration.
netst at	Display network connections, routing tables, interface statistics, masquerade connections, and multicast memberships.
trace route hostna me	Trace the route packets take to a host.
nsloo kup hostna me	Query DNS servers to obtain domain name or IP address information.

Terminal Configuration & Shortcuts

Terminal Configuration

Modify .zshrc or .bash_profile (depending on your shell) to customize your terminal environment.

Common configurations:

- Aliases: alias shortcut='long command'
- Environment variables: export VARIABLE_NAME=value
- **Prompt customization:** Modifying the **PS1** variable.

To apply changes, run source ~/.zshrc or source ~/.bash_profile.

Keyboard Shortcuts

Ctrl+ A	Move cursor to the beginning of the line.
Ctrl+ E	Move cursor to the end of the line.
Ctrl+ K	Cut the line from the cursor to the end.
Ctrl+ U	Cut the line from the cursor to the beginning.
Ctrl+ Y	Paste the last thing that was cut.
Ctrl+ R	Reverse search through command history.
Ctrl+ D	Close the terminal or exit the current shell.
Ctrl+	Interrupt the current process.

Shell Customization

macOS uses Zsh as the default shell. You can change the default shell using chsh -s /bin/bash (for Bash) or chsh -s /bin/zsh Zsh).	
Oh My Zsh is a popular framework for manag Zsh configurations. Install it with sh -c "\$(-fsSL	0
https://raw.githubusercontent.com/ohmyz	sh/o
hmyzsh/master/tools/install.sh)"	