

Chrome OS Terminal Cheatsheet

A handy reference guide for using the Chrome OS Terminal, covering essential commands, shortcuts, and configurations for developers and system administrators.



Basic Commands and Navigation

Essential Commands

pwd Print working directory (shows the current directory path). ls List directory contents (files and directories). cd Change directory (navigate to a different directory). Example: cd Documents mkdir Create a new directory. Example: mkdir MyProject Remove an empty directory. rmdir rm Remove files. Example: rm myfile.txt Copy files or directories. ср Example: cp file1.txt file2.txt Move or rename files or directories. Example: mv oldname.txt newname.txt

File Operations

cat	Concatenate and display file content.
less	View file content page by page. Press q to exit.
head	Display the first few lines of a file.
tail	Display the last few lines of a file.
nano	Simple text editor for creating and modifying files.
chmod	Change file permissions.
chown	Change file owner.

Package Management and System Info

Package Management (Debian/Ubuntu)

sudo apt update	Update the package lists.
sudo apt upgrade	Upgrade installed packages.
<pre>sudo apt install <package_name></package_name></pre>	Install a new package. Example: sudo apt install vim
sudo apt remove <package_name></package_name>	Remove a package.
sudo apt	Remove automatically all unused packages.

System Information

uname -a	Display kernel information.
lsb_release	Display Linux distribution information.
df -h	Display disk space usage.
free -m	Display memory usage.
top	Display system processes.
htop	Improved interactive process viewer (if installed).
lscpu	Display CPU information.

Networking

ip addr	Show network interfaces and IP addresses.
ping <hostname></hostname>	Test network connectivity to a host.
netstat -	Display network connections and listening ports.

Shortcuts and Productivity

Keyboard Shortcuts

Ctrl + Shift + T	Reopen last closed tab.
Ctrl + Tab	Switch to the next tab.
Ctrl + Shift + Tab	Switch to the previous tab.
Ctrl + +	Zoom in.
Ctrl + -	Zoom out.
Ctrl + 0	Reset zoom.
Ctrl + C	Interrupt a running process.

Terminal Customization

Right-click on the terminal window and select 'Settings' to customize:

- Appearance (font, colors)
- Behavior (shell, tab management)
- Keyboard shortcuts

Edit .bashrc file to customize the terminal, to change:

- Aliases
- Functions
- Environment variables

Shell Navigation

Up Arrow	Recall previous command.
Down Arrow	Recall next command.
Ctrl + R	Search command history.
Tab	Autocomplete file or command name.

Advanced Usage and Crostini

Working with Crostini (Linux Environment)

 $\label{localization} \mbox{Crostini allows running Linux applications on Chrome OS.} \\ \mbox{Access it through the Terminal app.}$

- Sharing Files: Files in your Chrome OS 'Downloads' folder are automatically shared with the Linux environment.
- Accessing USB Devices: USB support requires enabling specific flags and configurations.

Troubleshooting

- Terminal Not Responding: Try closing and reopening the terminal. If the issue persists, restart Crostini or Chrome OS.
- Package Installation Issues: Ensure package lists are updated (sudo apt update).
- Network Problems: Check network connectivity and DNS settings.

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Advanced Commands

grep	Search for patterns in files. Example: grep 'error' logfile.txt
find	Find files based on various criteria. Example: findname '*.txt'
xargs	Build and execute command lines from standard input.
rsync	Remote file synchronization. Example: rsync -avz /local/path user@remote:/remote/path
screen or tmux	Terminal multiplexers for managing multiple terminal sessions.

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