



Basic Commands & Navigation

Essential Commands

<code>pwd</code>	Print working directory - shows the current directory.
<code>ls</code>	List directory contents - displays files and directories in the current location.
<code>cd</code> <code><directory></code>	Change directory - navigates to the specified directory.
<code>mkdir</code> <code><directory></code>	Make directory - creates a new directory with the given name.
<code>rm</code> <code><file></code>	Remove file - deletes the specified file.
<code>rmdir</code> <code><directory></code>	Remove directory - deletes the specified directory (must be empty).
<code>mv</code> <code><source></code> <code><destination></code> >	Move or rename - moves or renames a file or directory.
<code>cp</code> <code><source></code> <code><destination></code> >	Copy - copies a file or directory to the specified destination.

File Manipulation

<code>cat</code> <code><file></code>	Concatenate and print - displays the contents of a file.
<code>nano</code> <code><file></code>	Text editor - opens the nano text editor to create or modify a file.
<code>head</code> <code><file></code>	Display first lines - shows the first few lines of a file.
<code>tail</code> <code><file></code>	Display last lines - shows the last few lines of a file.
<code>grep</code> <code><pattern></code> <code><file></code>	Search - searches for a specific pattern within a file.
<code>chmod</code> <code><permissions></code> > <code><file></code>	Change permissions - modifies the read, write, and execute permissions of a file.

Package Management (pkg)

<code>pkg</code> <code>update</code>	Update package lists - synchronizes the package index files from their sources.
<code>pkg</code> <code>upgrade</code>	Upgrade installed packages - installs the newest versions of all packages currently installed on the system.
<code>pkg</code> <code>install</code> <code><package></code> >	Install a package - installs the specified package and its dependencies.
<code>pkg</code> <code>uninstall</code> <code><package></code> >	Uninstall a package - removes the specified package from the system.
<code>pkg</code> <code>search</code> <code><package></code> >	Search for a package - searches for packages based on a keyword.
<code>pkg</code> <code>show</code> <code><package></code> >	Show package information - displays detailed information about a specific package.

Advanced Termux Usage

SSH and Remote Access

<code>pkg</code> <code>install</code> <code>openssh</code>	Install OpenSSH - installs the OpenSSH server, allowing remote access to Termux.
<code>sshd</code>	Start SSH server - starts the SSH daemon.
<code>ssh</code> <code><user>@<ip_</code> <code>address></code> <code>-p</code> <code><port></code>	Connect to SSH server - connects to a remote SSH server using the specified username, IP address, and port.
<code>whoami</code>	Show current user - displays the current username.
<code>ifconfig</code>	Configure network interfaces - shows network interface configuration (requires <code>net-tools</code>).
<code>passwd</code>	Change password - changes the password for the current user.

Background Processes and Task Management

<code>&</code> (append to command)	Run in background - runs a command in the background.
<code>jobs</code>	List background jobs - displays a list of background processes.
<code>fg</code> <code><job_id></code>	Bring job to foreground - brings a background process to the foreground.
<code>bg</code> <code><job_id></code>	Send job to background - sends a stopped job to the background.
<code>kill</code> <code><pid></code>	Kill process - terminates a process with the specified process ID (PID).
<code>top</code>	Display processes - shows a dynamic real-time view of running processes.

Termux Utilities

<code>termux-</code> <code>setup-</code> <code>storage</code>	Setup storage - grants Termux access to external storage.
<code>termux-</code> <code>change-repo</code>	Change repository - allows changing the Termux package repository.
<code>termux-</code> <code>battery-</code> <code>status</code>	Show battery status - displays battery information.
<code>termux-wifi-</code> <code>connectioninf</code> <code>o</code>	Show wifi info - displays information about the current WiFi connection.
<code>termux-</code> <code>notification</code>	Send notification - sends a notification to the Android system.
<code>termux-</code> <code>clipboard-</code> <code>get</code>	Get clipboard content - retrieves the content from the clipboard.
<code>termux-</code> <code>clipboard-</code> <code>set</code>	Set clipboard content - sets the content to the clipboard.

Configuration and Customization

Termux Configuration Files

<code>~/.termux/termux.properties</code>	Termux properties - configuration file for Termux settings.
<code>~/.bashrc</code>	Bash configuration - bash startup file, used to customize the shell environment.
<code>~/.zshrc</code>	Zsh configuration - zsh startup file, used to customize the shell environment.
<code>\$PREFIX</code>	Termux prefix - the installation directory for packages (<code>/data/data/com.termux/files/usr</code>).
<code>termux-change-repo</code>	Change repository - change Termux package repository.
<code>pkg install termux-tools</code>	Install Termux tools - installs a collection of Termux-specific tools.

Customizing the Shell

<code>export PS1="..."</code>	Customize prompt - modifies the shell prompt. Example: <code>export PS1="\u@\h:\w\\$ "</code>
<code>alias <alias_name>='command'</code>	Create alias - creates a shortcut for a command. Example: <code>alias la='ls -la'</code>
<code>pkg install zsh</code>	Install Zsh - installs the Zsh shell for advanced customization.
<code>chsh -s /data/data/com.termux/files/usr/bin/zsh</code>	Change shell - changes the default shell to Zsh.
<code>oh-my-zsh</code>	Install oh-my-zsh - framework for managing zsh configuration.
<code>pkg install fish</code>	Install fish - installs the fish-shell.

Termux Styling

<code>pkg install termux-style</code>	Install termux-style - install program for changing the terminal colors and font.
<code>termux-style</code>	Launch termux-style - interactive program to customize the terminal appearance.
<code>~/.termux/colors.properties</code>	Colors config file - advanced way to customize the terminal colors.
<code>~/.termux/fonts.ttf</code>	Custom fonts - path for custom font file in ttf format.

Troubleshooting and Tips

Common Issues

Problem: <code>pkg</code> commands are slow or failing.
Solution: Ensure your internet connection is stable. Try changing the repository using <code>termux-change-repo</code> .
Problem: Unable to access external storage.
Solution: Run <code>termux-setup-storage</code> and grant the necessary permissions.
Problem: SSH connection refused.
Solution: Ensure the SSH server is running (<code>sshd</code>) and that the correct port is used. Check firewall settings if applicable.
Problem: Command not found.
Solution: Make sure the package containing the command is installed. Use <code>pkg search <command></code> to find the package and install it with <code>pkg install <package></code> .

Useful Tips and Tricks

Use tab completion to speed up command typing. Press <code>Tab</code> to auto-complete commands, file paths, and package names.
Customize your Termux environment by modifying <code>~/.bashrc</code> or <code>~/.zshrc</code> to add aliases, functions, and custom prompts.
Install a text-based web browser like <code>w3m</code> or <code>lynx</code> to browse the web from the terminal.
Utilize <code>tmux</code> or <code>screen</code> for persistent terminal sessions that can be detached and reattached later.
Leverage Termux's API to interact with Android features using commands like <code>termux-notification</code> , <code>termux-clipboard-get</code> , and <code>termux-vibrate</code> .