



Basic Commands

System Information

<code>uname -a</code>	Display kernel information (kernel name, hostname, kernel release, version, machine hardware name).
<code>freebsd-version</code>	Show the FreeBSD version running.
<code>dmesg</code>	Display boot-time messages from the kernel. Useful for hardware info.
<code>sysctl hw</code>	Show hardware information.
<code>top</code>	Display and update sorted information about processes.
<code>ps aux</code>	Show all processes running on the system.

File System Navigation

<code>ls</code>	List directory contents.
<code>cd</code>	Change directory.
<code>pwd</code>	Print working directory.
<code>mkdir</code>	Create a new directory.
<code>rmdir</code>	Remove an empty directory.
<code>find . -name <filename></code>	Find files by name in the current directory.

Package Management

pkg Commands

<code>pkg update</code>	Update the package repository.
<code>pkg upgrade</code>	Upgrade installed packages to the latest versions.
<code>pkg install <package_name></code>	Install a new package.
<code>pkg remove <package_name></code>	Remove an installed package.
<code>pkg search <keyword></code>	Search for packages matching a keyword.
<code>pkg info</code>	List all installed packages.
<code>pkg autoremove</code>	Remove automatically installed packages no longer required.
<code>pkg clean</code>	Clean the package cache.

User and Permissions

User Management

<code>adduser</code>	Add a new user.
<code>rmuser</code>	Remove an existing user.
<code>passwd <username></code>	Change a user's password.
<code>su <username></code>	Switch to another user.
<code>whoami</code>	Display the current user's username.
<code>groups <username></code>	Display the groups a user belongs to.

File Permissions

<code>chmod <permissions> <file></code>	Change file permissions.
<code>chown <user> <file></code>	Change file owner.
<code>chgrp <group> <file></code>	Change file group.
<code>ls -l</code>	List files with detailed permissions.
<code>umask</code>	Show or set the file creation mask.

Networking

Network Configuration

<code>ifconfig</code>	Display network interface configuration.
<code>netstat -rn</code>	Display the routing table.
<code>ping <hostname></code>	Test network connectivity to a host.
<code>traceroute <hostname></code>	Trace the route packets take to a host.
<code>ssh <user>@<host></code>	Securely connect to a remote host.
<code>scp <file> <user>@<host>:<destination></code>	Securely copy files to/from a remote host.

Hostname and DNS

<code>hostname</code>	Display the system's hostname.
<code>nslookup <hostname></code>	Query DNS for information about a hostname.
<code>cat /etc/resolv.conf</code>	View DNS resolver configuration.