

# FreeBSD

FreeBSD?FreeBSD????????????????????Unix?????????BSD  
Unix????????????????????1975??1993????BSD Unix?????

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# Learning

## Tutorials

- [FreeBSD 6.0????????](#)
- [The FreeBSD Project](#)
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# Tips

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????? 32 ? 64 bit

```
uname -a
getconf LONG_BIT
```

?? freebsd ??

```
uname -mrs

freebsd-version -k    # []
freebsd-version -u    # []
```

“ freebsd-version ??? freebsd 10.0 ???

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```
sockstat -l
sockstat -4 -l      # [] ipv4
sockstat -6 -l      # [] ipv6

netstat -a -n | grep LISTEN
```

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NOTE: FreeBSD ?? fdisk -l ?????????????

```
egrep 'da[0-9][cd[0-9]]' /var/run/dmesg.boot
camcontrol devlist
gpart show
```

TIP:

- a) IDE Disk - /dev/ad\*
- b) SCSI Disk - /dev/da\*
- c) IDE CDROM - /dev/acd\*
- d) SCSI CDROM - /dev/cd\*

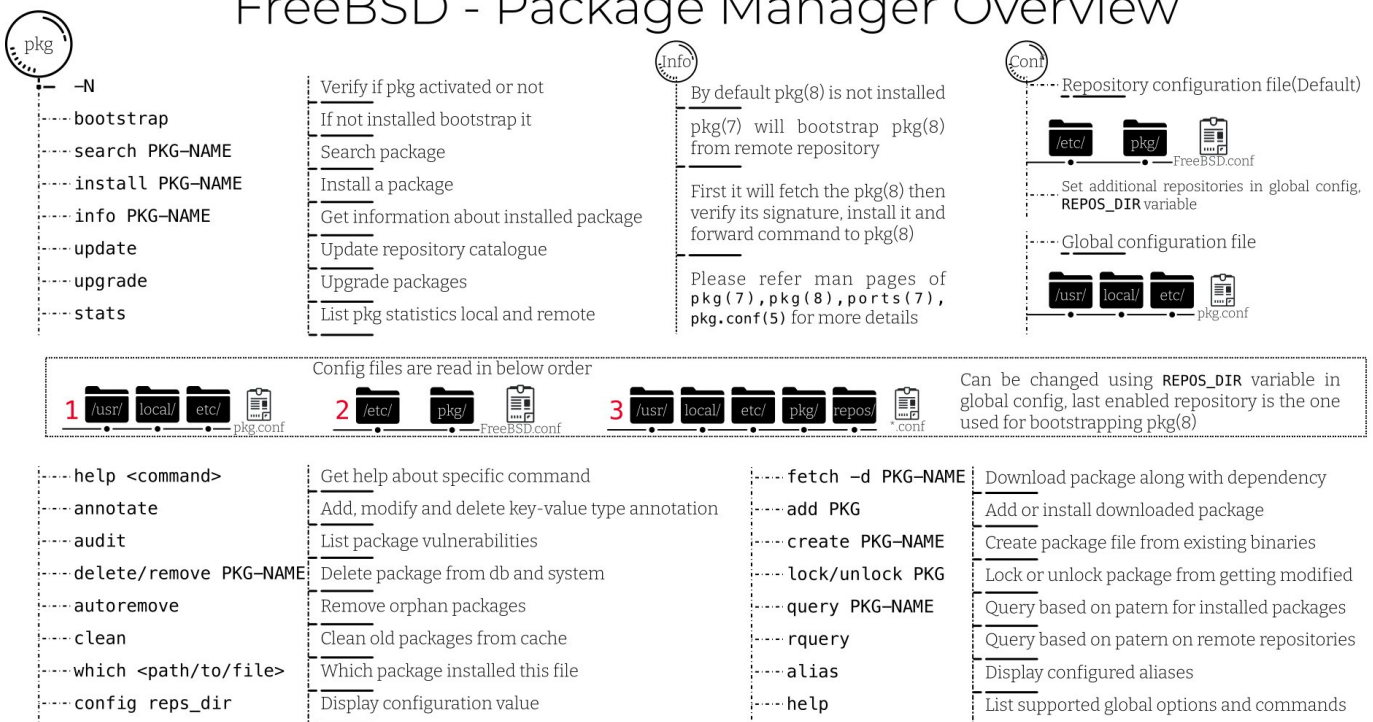
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??? root ?????????????????????? root ?????????????????? root?

“ ?? /etc/group ?????????? wheel?

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## FreeBSD - Package Manager Overview



# Linux vs FreeBSD



## Linux vs. FreeBSD



Created by [@dan\\_nanni](#) on Instagram

Feature	Linux	FreeBSD
First Release	1991	1993
UNIX Heritage	UNIX-like OS	UNIX-based OS
Kernel	Monolithic kernel with modules	
Kernel License	GPL	BSD
Init System	Systemd, SysVinit, OpenRC, runit	rc.d scripts
Package Management	APT, YUM/DNF, Pacman, Zypper, Portage, Snap, Flatpak	Ports Collection and pkg
Userland	GNU Core Utilities	BSD Core Utilities
Default Shell	Bourne Again Shell (bash)	Bourne Shell (sh)
Default Filesystem	EXT4, XFS, Btrfs	UFS, ZFS
Security	SELinux, AppArmor, namespaces, cgroups	Jails, MAC, Capsicum
Documentation	Distro-dependent, community-driven documentation	Extensive and coherent official documentation
Use Cases	Server, desktop, embedded system, enterprise, cloud	Server, networking, NAS, firewall, embedded system