

# 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
```

## “ TIP:

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

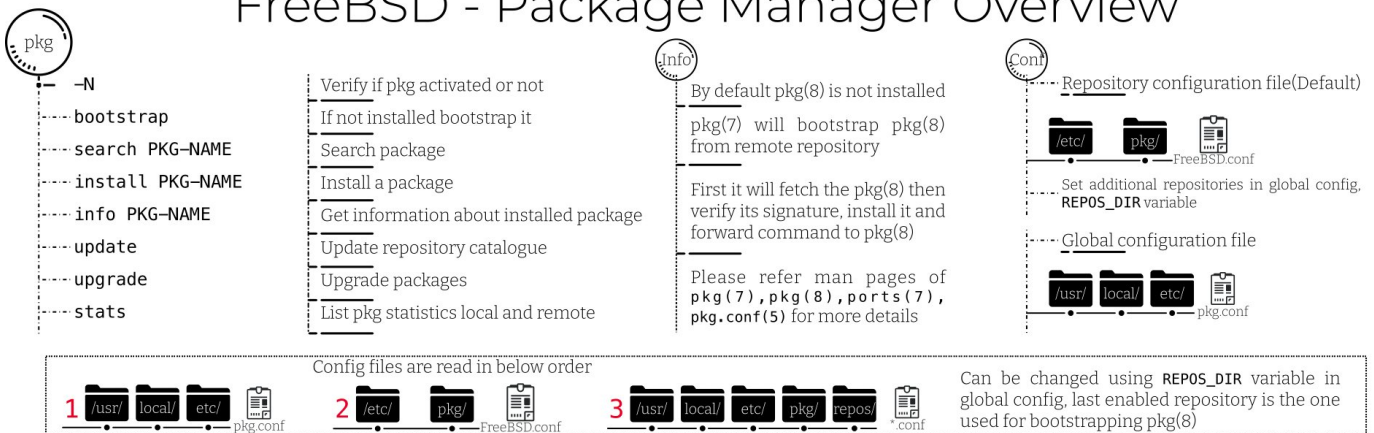
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??? root ?????????????????????? root ?????????????????? root?

“ ?? /etc/group ?????????? wheel?

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## FreeBSD - Package Manager Overview



<code>help &lt;command&gt;</code>	Get help about specific command	<code>fetch -d PKG-NAME</code>	Download package along with dependency
<code>annotate</code>	Add, modify and delete key-value type annotation	<code>add PKG</code>	Add or install downloaded package
<code>audit</code>	List package vulnerabilities	<code>create PKG-NAME</code>	Create package file from existing binaries
<code>delete/remove PKG-NAME</code>	Delete package from db and system	<code>lock/unlock PKG</code>	Lock or unlock package from getting modified
<code>autoremove</code>	Remove orphan packages	<code>query PKG-NAME</code>	Query based on pattern for installed packages
<code>clean</code>	Clean old packages from cache	<code>rquery</code>	Query based on pattern on remote repositories
<code>which &lt;path/to/file&gt;</code>	Which package installed this file	<code>alias</code>	Display configured aliases
<code>config repos_dir</code>	Display configuration value	<code>help</code>	List supported global options and commands

