
FreeBSD

Korea FreeBSD Users Group – <http://www.kr.FreeBSD.org/>

Chapter 4 :

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: 2004 8 7

: 2005 3 8

: 1.0

FreeBSD Documentation Project FreeBSD Handbook 2004 8

7 . FreeBSD Handbook ,
, CVS Repository
,
,
가
가 . KFUG(Korea FreeBSD Users Group)
KFUG

“FreeBSD Handbook” “FreeBSD Documentation Project” , “ FreeBSD
” “ (Young-oak Lee)” .

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4 :

4.1

FreeBSD 가 가 .
FreeBSD 가 .
가 . FreeBSD
가 . 가
(FreeBSD CD-ROM DVD-ROM)

- () 가
- 가
- 가
- 가
- 가

4.2

. Z :
(<http://www.zsh.org>) FTP (<ftp://ftp.zsh.org/zsh>)
zsh-4.2.1.tar.gz
mv zsh-4.2.1.tar.gz /tmp

```

( compress(1), gzip(1)
bzip2(1) ) :
# tar xzvf zsh-4.2.1.tar.gz

( INSTALL README , doc/
) ,

# cd zsh-4.2.1
# more INSTALL

. Makefile
configure :
# ./configure

가

# make
# make install

가 , FreeBSD (
FreeBSD )

“ ”

FreeBSD 가
10,550 가

FreeBSD
가 ,
pkg_add(1), pkg_delete(1),
pkg_info(1) FreeBSD

FreeBSD
```


- (tar) ,
.
- . Mozilla, KDE
GNOME 가 ,
(가).
- 가 .

4.2.2

- III
.
- 가 Apache
.
가 가
Ghostscript X11
ghostscript-nox11
가 ,
가 가 .
- .
- 가

- 가 가 .

- 가 .

가 FreeBSD

(<http://lists.FreeBSD.org/mailman/listinfo/freebsd-ports>) FreeBSD

(<http://lists.FreeBSD.org/mailman/listinfo/freebsd-ports-bugs>) 가 .

가 [C.1] .

:

<http://vuxml.freebsd.org/> (FreeBSD FreeBSD) .

[security/portaudit](#) .

portaudit -F -a .

: 가 .

4.3

FreeBSD 가 .

가 :

- FreeBSD

<http://www.FreeBSD.org/ports/>

- Dan Langille <http://www.FreshPorts.org/>
FreshPorts

가

- FreshMeat(<http://www.freshmeat.net/>)
FreeBSD

4.4

4.4.1

FreeBSD

pkg_add(1)

4-1.

```
# ftp -a ftp2.FreeBSD.org
Connected to ftp2.FreeBSD.org.
220 ftp2.FreeBSD.org FTP server (Version 6.00LS) ready.
331 Guest login ok, send your email address as password.
230-
230-   This machine is in Vienna, VA, USA, hosted by Verio.
230-   Questions? E-mail freebsd@vienna.verio.net.
230-
230-
230 Guest login ok, access restrictions apply.
```

```
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> cd /pub/FreeBSD/ports/packages/sysutils/
250 CWD command successful.
ftp> get lsof-4.56.4.tgz
local: lsof-4.56.4.tgz remote: lsof-4.56.4.tgz
200 PORT command successful.
150 Opening BINARY mode data connection for 'lsof-4.56.4.tgz' (92375 bytes).
100% |*****| 92375      00:00 ETA
226 Transfer complete.
92375 bytes received in 5.60 seconds (16.11 KB/s)
ftp> exit

# pkg_add lsof-4.56.4.tgz
```

```
(FreeBSD CD-ROM ) 가 pkg_add(1) -r
가
FTP 가

# pkg_add -r lsof

pkg_add(1) fetch(3) FTP_PASSIVE_MODE, FTP_PROXY FTP_PASSWORD
가
, FTP/HTTP
fetch(3) lsof lsof-
4.56.4 ( )
. pkg_add(1) 가
.tgz
ftp://ftp.FreeBSD.org/pub/FreeBSD/ports/packages/ FreeBSD CD-ROM
. FreeBSD 4-CD ( PowerPak ) CD ,
/packages 가 ( )
/usr/ports 가
All
```

/

4.4.2

pkg_info(1)

```
# pkg_info
cvsup - 16.1      A general network file distribution system optimized for CV
docbook - 1.2     Meta-port for the different versions of the DocBook DTD
...
```

pkg_version(1)

```
# pkg_version
cvsup           =
docbook         =
...
```

(=)

=	
<	
>	가 . (
?	(가) .
*	가 가 .

4.4.3

pkg_delete(1)

pkg_delete xchat - 1.7.1

4.4.4

/var/db/pkg

4.5

4.5.1

Makefiles , /usr/ports

가

FreeBSD

sysinstall

no

■ [: Sysinstall]

sysinstall

root /stand/sysinstall :

/stand/sysinstall

```

FreeBSD Configuration Menu
If you've already installed FreeBSD, you may use this menu to customize
it somewhat to suit your particular configuration. Most importantly,
you can use the Packages utility to load extra "3rd party"
software not provided in the base distributions.

X Exit          Exit this menu (returning to previous)
Distributions   Install additional distribution sets
Packages        Install pre-packaged software for FreeBSD
Root Password   Set the system manager's password
Fdisk           The disk Slice (PC-style partition) Editor
Label           The disk Label editor
User Management Add user and group information
Console         Customize system console behavior
Time Zone       Set which time zone you're in
Media           Change the installation media type
Mouse           Configure your mouse
Networking      Configure additional network services
Security        Select default system security profile
Startup         Configure system startup options
TTYs            Configure system ttys.
Options         View/Set various installation options
XFree86         Configure XFree86 Server
Desktop         Configure XFree86 Desktop
HTML Docs       Go to the HTML documentation menu (post-install)
Load KLD        Load a KLD from a floppy

      [ OK ]      [ Cancel ]

[ Press F1 for more information on these options ]

```

"4-01.bmp"

Configure Enter

```

Usage          Quick start - How to use this menu system
Standard       Begin a standard installation (recommended)
Express        Begin a quick installation (for the impatient)
Custom         Begin a custom installation (for experts)
Configure      Do post-install configuration of FreeBSD
Doc            Installation instructions, README, etc.
Keymap         Select keyboard type

```

"4-02.bmp"

Distributions Enter

```

X Exit          Exit this menu (returning to previous)
Distributions   Install additional distribution sets
Packages        Install pre-packaged software for FreeBSD
Root Password   Set the system manager's password

```

"4-03.bmp"

ports Enter

```

[ ] src          Sources for everything
[ ] ports        The FreeBSD Ports collection
[ ] local        Local additions collection
[ ] XFree86      The XFree86 distribution

```

"4-04.bmp"


```
root /usr/share/examples/cvsup/ports-supfile /root
```

```
# cp /usr/share/examples/cvsup/ports-supfile . [ ]
```

```
ports-supfile
```

```
# vi ports-supfile
```

```
CHANGE_THIS.FreeBSD.org 가 가 CVSup (cvsup.kr.FreeBSD.org)
[CVSup ] ( A.5.7)
```

```
cvsup :
```

```
# cvsup -g -L 2 /root/ports-supfile
```

가

[]

4.5.2

“ ()”
, FreeBSD

가 :

- [Makefile]

가

- [distinfo]

, md5(1)

가

가

- [file]

FreeBSD

가

```
" 26 " , " 10 "  
diff(1)  
"diffs"
```

가

- [pkg-descr]

- [pkg-plist] 가

pkg-message 가

FreeBSD

(http://www.freebsd.org/doc/en_US.ISO8859-1/books/porters-handbook/index.html).

가

. FreeBSD

(<http://www.freebsd.org/ports/index.html>)

가

```
whereis(1) whereis file  
file  
:
```

whereis lsof

lsof: /usr/ports/sysutils/lsof

lsof /usr/ports/sysutils/lsof

```

. /usr/ports . make
search name=program-name , program-name
. lsof :
```

```

# cd /usr/ports
# make search name=lsof
Port: lsof-4.56.4
Path: /usr/ports/sysutils/lsof
Info: Lists information about open files (similar to fstat(1))
Maint: obrien@FreeBSD.org
Index: sysutils
B-deps:
R-deps:
```

```

가 , "Path:"
.
make search key=string , string
. , .
가 . "LSOF" "lsof"
.
Note: root .
가 .
가 . CD-ROM
가 .
tar gzip ,
가 "distfile" . Distfile CD-ROM
.
:
http://vuxml.freebsd.org
.
portaudit
```



```
...
====> Building for Isof-4.57
...
[compilation output snipped]
...
#
```

install

make :

```
# make install
====> Installing for Isof-4.57
...
[installation output snipped]
...
====> Generating temporary packing list
====> Compressing manual pages for Isof-4.57
====> Registering installation for Isof-4.57
====> SECURITY NOTE:
      This port has installed the following binaries which execute with
      increased privileges.
#
```

가 . Isof 가
가 .

Note: PATH

rehash
(tcsh) (shells/zsh)

4.5.2.2

가 .

CD-ROM

distfile

/usr/ports/distfiles

Note:

CD-ROM

CD-ROM

CD-ROM

distfile CD-ROM

```
# make install
```

```
>> Isof_4.57D.freebsd.tar.gz doesn't seem to exist in /usr/ports/distfiles/.
```

```
>> Attempting to fetch from ftp://ftp.FreeBSD.org/pub/FreeBSD/ports/distfiles/.
```

```
Receiving Isof_4.57D.freebsd.tar.gz (439860 bytes): 100%
```

```
439860 bytes transferred in 18.0 seconds (23.90 kBps)
```

```
====> Extracting for Isof-4.57
```

```
...
```

```
[extraction output snipped]
```

```
...
```

```
>> Checksum OK for Isof_4.57D.freebsd.tar.gz.
```

```
====> Patching for Isof-4.57
```

```
====> Applying FreeBSD patches for Isof-4.57
```

```
====> Configuring for Isof-4.57
```

```
...
```

```
[configure output snipped]
```

```
...
```

```
====> Building for Isof-4.57
```

```
...
```

```
[compilation output snipped]
```

```
...
```

```
====> Installing for Isof-4.57
```

```
...
```

```
[installation output snipped]
```

```
...
```

```

====> Generating temporary packing list
====> Compressing manual pages for lsof-4.57
====> Registering installation for lsof-4.57
====> SECURITY NOTE:
      This port has installed the following binaries which execute with
      increased privileges.
#

```

```

/usr/ports/distfiles/ distfile
ftp://ftp.FreeBSD.org/pub/FreeBSD/ports/distfiles/

FTP_PASSIVE_MODE, FTP_PROXY
FTP_PASSWORD 가 fetch(1)
가 가 ,
FTP/HTTP fetch(3)
make fetch 가
(/usr/ports)
/usr/ports/net 가
distfile
fetch fetch-recursive
Note: make fetch make
가 MASTER_SITES 가 ( ) (tar
) MASTER_SITE :
# cd /usr/ports/directory
# make MASTER_SITE_OVERRIDE=
ftp://ftp.FreeBSD.org/pub/FreeBSD/ports/distfiles/fetch
MASTER_SITE ftp.FreeBSD.org/pub/FreeBSD/ports/distfiles/

```

Note:

[www/mozilla](http://www.mozilla.org), [security/gpgme](http://security.gnupg.org) [mail/sylpheed-claws](http://mail.sylpheed-claws.org)

가

가

4.5.2.3

가 distfiles ().
PORTSDIR PREFIX

make PORTSDIR=/usr/home/example/ports install

/usr/home/example/ports /usr/local

make PREFIX=/usr/home/example/local install

/usr/ports /usr/home/example/local

make PORTSDIR =../ports PREFIX=../local install

(
).

4.5.2.4 imake

imake (X) , PREFIX
/usr/X11R6 Perl
PREFIX Perl PREFIX 가
가

4.5.3

```
Isosf (
Isosf (/usr/ports/sysutils/Isosf )
Isosf 가 . make deinstall
:
```

```
# cd /usr/ports/sysutils/Isosf [ ]
# make deinstall [ ]
==> Deinstalling for Isosf-4.57
```

```
Isosf 가 /usr/ports/sysutils/Isosf
make reinstall
```

make reinstall

```
make clean make deinstall make reinstall
(clean) pkg_delete(1)
```

4.5.4

```
make clean
```

```
distfiles tar
refuse
CVSup
```

4.5.5

```
(
)
```


portupgrade

portupgrade

ports/sysutils

가 가

4.6

()

가?

∴

-

pkg_info(1)

FooPackage

1.0.0

가

pkg_info -L foopackage-1.0.0 | less

man/

/etc

가

doc/

가

foopackage

가

pkg_info | grep -l foopackage

foopackage

-

가

man(1)

가

-

가

가

가

```
# pkg_info foopackage-1.0.0
```

```
WWW: URL
```

- /usr/local/etc/rc.d

가

4.7

가

가

:

1. ! Porters Handbook (http://www.freebsd.org/doc/en_US.ISO8859-1/books/porters-handbook/index.html) "Ports"

2. . make maintainer

Makefiles

(Makefile

```
$FreeBSD: ) 가
```

send-pr(1)

3. 가 FTP

" "

ftp.FreeBSD.org

(<ftp://ftp.FreeBSD.org/pub/FreeBSD/ports/packages/>), 가

!

pkg_add(1)