

FreeBSD'ın Özellikleri

Abstract

FreeBSD 0000000 0000 000000 0000000 00000000!!! 00000000 00000000 000 000000 000 FreeBSD'0 00000 00000 00000, 00000000 0000000000 00000 00 00000; 000 000000000000 00000000000 000000 00000000 00000 00000000 00000 000 00000000 00, 00000 BSDi 00 [FreeBSD.org](#) 00 000000000000 FreeBSD'0 0.0.0 00 000 000000000 000 0000000000 00000000 000000; 0000000 000000 00000000000 000000 00000000000 00000000 000000000000 000000 00/0000000 00 OS/2 00000000000 0000 0000000000 00000000000

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1. □□ □□ □ □□ □□□

000 **login:** 000000 000000 000000, 000 **root** 0000 0000000 0000 0000000000000000 00 00 0000, 00000000; 0000000000
 0000000 000000 0000000 00000000000000 00 00000000000000 00000000 000000000000 000 0000 **root** 0000000 0000 000
 000000 0000 **root** 0000 0000000000000000 **FreeBSD** 000000000000 000 0000 000000 0000 000 00 **root** 0000000000000000
 0000000 0000000000 000 0000 00000000000 000000 0000000 0000000 000 000000 0000000000 000 000; 000000 00000000000
 0000 0000 000000 **root** 00 0000 000 0000000 000 000 **root** 00000000000000 00 00 0000 0000000 00000000 00000000 000
 0000000000 % 000 0000000000 000000 00000000 000000 0000 000000 00000000 00 00000000000000 0000 0000 0000000 000000 00 00000000
 000000 0000 0000 000000 00000000000 00 000000, 000000 0000 00000000000000 0000 0000000000 000000 00000000 000000 % 000 **root** 00
 0000 0000000000 0000000 0000 00 0000000 000000000000 0000000000 00000, 00 00 0000 000000 000 000000

00 000 000 00000000 0000 0000 login: 0000000 0000 000 000000 -

```
# exit
```

000000 00000000 00000000 000000 0000 **Enter** 000000 000000 000000 000 000000 00, 00000000 000 0 00 000000
 00000000 0000000000 00000000 0000, 00000000 **exit** 0 **EXIT** 000000 00 0000

시스템을 종료 (shut down) 하거나 재부팅 하는 방법 -

```
# /sbin/shutdown -h now
```

또는 시스템을 재부팅 하는 방법 -

```
# /sbin/shutdown -r now
```

또는

```
# /sbin/reboot
```

보통 **Ctrl + Alt + Delete** 키 조합을 누르면 시스템이 재부팅됩니다. FreeBSD에서는 이 키 조합을 FreeBSD의 `/sbin/reboot`에 **Ctrl + Alt + Delete** 키 조합을 누르면 시스템이 재부팅됩니다. FreeBSD에서는 이 키 조합을 누르면 시스템이 재부팅됩니다.

2. Root 권한을 얻는 방법

시스템을 재부팅하면 root 권한을 얻는 방법 -

```
# adduser
```

adduser 명령을 실행하면 root 권한을 얻는 방법 -

adduser 명령을 실행하면 root 권한을 얻는 방법 -

```
Login group is "jack". Invite jack into other groups: wheel
```

adduser 명령을 실행하면 root 권한을 얻는 방법 -

adduser 명령을 실행하면 root 권한을 얻는 방법 -

□□□□□□□□□□ □□□□□□□□□□ □□ *jill* □□□□ □□□□□□□□□□□□ □□□□□□ □□□□ □□□□□□□□

00000000 0000 0000 0000000000 0000 000 0000 **exit** 00000000 00000000 000 000 000 0000 0 00000 0000000 0000000
 00 00 000000 000000 000000 00 000 **root** 00000000 000 00 00000 000; 000 **root** 00 000000 00000000000 000000 00000 00000
 000

ພວກ ພວກ ພວກພວກພວກ ພວກພວກ ພວກ ພວກ ພວກພວກພວກ ພວກ ພວກ ພວກ ພວກ ພວກ ພວກ **su** ພວກພວກ ພວກພວກ ພວກ **root** ພວກພວກ ພວກພວກ ພວກ ພວກ, ພວກ ພວກ ພວກ **root** ພວກພວກ ພວກ ພວກ ພວກ **/etc/group** ພວກພວກ ພວກພວກ ພວກ **jack** ພວກພວກ ພວກ ພວກພວກ ພວກ ພວກພວກ **wheel** ພວກພວກ ພວກພວກ ພວກ ພວກພວກພວກ ພວກ ພວກ ພວກ ພວກ ພວກ **Vi** ພວກພວກ ພວກພວກ **Vi** ພວກ ພວກພວກ **ee** ພວກພວກ ພວກ ພວກ ພວກ **Vi** ພວກ ພວກ **ee** ພວກພວກ ພວກ ພວກພວກພວກ ພວກ ພວກພວກ **FreeBSD** ພວກ ພວກພວກພວກພວກ **ee** ພວກ ພວກພວກ

000 000000000000 000000000000 0000 00000 00000 **rmuser** 000000 00000000 000000

3. □□□□ □□□□

0000 00000000 0000000000000000 00 00 0000 000 00000000 0000000000 0000 0000 00000000 00000000 0

FreeBSD 0000000000 00000000 0000 000000 0000 0000 00000000 00000000 000 000000 00000000

[illegible]

id

□□□□ □□□□□□□□, □□□□ □□□□□□ □□ □□□□□□

pwd

[illegible]

ls

□□□□□□ □□□□□□□□□□ □□□ □□□□□□ □□□ □□□□□□□□

1s -F

0000000 000 00000000 000 00000000000000 00 00000000 0000000 00000 * , 000000000000 0000 / 000 0000000000
 00000000 0000 @ 0000 000000

1s -1

በጥቅም ላይ የዋለው የጥናት ዘመን በጥንቃቄ መመረቅ ይገባል፡፡

```
ls -a
```

00000000 "dot" 000000 00 000000 0000 00000000 root 000000 00 00 0000 000000 -a 000000 0000000000 000000
 0000 0000 0000

cd

0000000000 0000000000 0000 **cd** .. 000000 000000 000000 000000000000 000000 00000 **cd**'s 00 00 0000 **space** 000, 00
 0000000 000000 00000 **/usr/local/** 000000000000 0000 000000 000000 **cd /usr/local** 0 **cd ~** 000000 00 000000000000
 00 00 0000000 000 **home** 000000000000 0000000 000000 000000 0000000000000 000 0000000000 00
/usr/home/jack0 **/cdrom** 0 **cd** 0000000 00000000 000 0000000 0000 000 **ls** 00000000 000 000000 00 000 0000000
 0000000 000 000 0000 000 00000 00 000 0000 00000

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```
# periodic daily
#####
# periodic weekly
#####
# periodic monthly
#####
```

[illegible]

000000000000000000000000 000 0000000 0000000 0000000 0000000 0000000 000 0000000 000000 00000000
 000000000000 000000 00000000 000000000000, 000 0000000 000000000000000000 00000000 00000000 0000 0000 0000
 00000000 00 00000000 **root** 0000000 00 000000 00, 00000000 00000000 0000000000000000000000 0000 0000000 00000000
 00000000 000000000000000000000000 000 00000 00000 00000 00 000000 000000 00000000 0000000000000000000000 000 0000000
 000 000000 0000000000000 00000 000 000 0000 0000 00 000 000000 00 0000000 0000000000000 00000000 0000000
 0000000000 0000000 0000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
 0000000000 0000000 00000000 00000000 0000000000000000000000 000 00000 00000000 00 00 000 0000000 0 0000
Unix System Administration Handbook (Prentice-Hall, 1995, ISBN 0-13-15051-7) (0000 0000000000
 00000000000 0000000000 0000 00000) 0000 00000 0000000 0 00000 **Essential System Administration (O'Reilly
 Associates, 1993, ISBN 0-937175-80-3)**0000 00000 0000000 0000 0000000000 0000

5. □□□□ □□□□ □□□

0000000000 00000000 00 00000000 0000 0000 00000000 00000000 0000 0000 0000 0000 00 0000000000 0000000000 /etc
 0000000000000 00000000 000 0000000 **root** 00000000 0000 0000 00; **root** 000000 0000 **su** 0000000000 00000000 0000
 0000000 0000 00000000 000 0000 0000 000000 00 **ee**; 00000000 0000000000 000000000000 0000 **vi** 0000000 0000000 0000
 0000000 **vi** 0000000 000 000000 **vi** 00 000 0000 0000000 0000000000 000000 000000-
 /usr/src/contrib/nvi/docs/tutorial 0 0000000 000 0000 000000 **ftp.cdrom.com** 0000 **FTP** 000000
FreeBSD/FreeBSD-current/src/contrib/nvi/docs/tutorial 00000000 000000

0000 0000 000000 0000000 000000 0000 00000000 000 0000 000000 000 0000 /etc/rc.conf 0000000 00000 0000 000
000 cd /etc 0000 /etc 000000000000 0000000 0000 000 000000

```
# cp rc.conf rc.conf.orig
```

00 0000 rc.conf 00000000 rc.conf.orig 0000 0000 0000 0000 0000 0000 0000 0000 rc.conf 00 0000 0000 0000000000
 00000000 00 0000 rc.conf.orig 00 rc.conf 0 0000 0000 000000 0000 00000000 0000 00 rc.conf 00 0000 0000000000 0000
 rc.conf.orig 0000 00 rc.conf.orig 00 rc.conf 0 0000 000000:

```
# mv rc.conf rc.conf.orig
# cp rc.conf.orig rc.conf
```

0000 0000 0000 00, mv 00000000 00000000 000000 000 00000000 000000 0000 000000000 00000000 0000, 0000-000000, 00000000 0000000 0000000000 00000 000 rc.conf 00 0000 0000 0000000 000 000000 000000000 rc.conf 00 0000000 000 000000 00000000 rc.conf 00 000 00000000 000 rc.conf.myedit 0000 (0000 00000 00000000 rc.conf0000 0000 000000000 0000000 000 0000) 0

```
# mv rc.conf.orig rc.conf
```

□□ □□□ □□□□□□ □□□□□□□ □□ □□□ □□□□□

□□□ □□□□ □□□□ □□□□ □□□□□ □□□□□,

```
# vi filename
```

Arrow key 方向キー 移動 1 キー ESC キー vi 編集 2 キー vi 編集 3 キー vi 編集 4 キー

X

□□ □□□□□□ □□□ □□□□□□ □□□□□□ □□□□ □□ □□□□ □□□□□□

dd

[illegible]

i

[illegible]

a

□□□□□ □□□□□□□ □□□□□□□□ □□□□ □□□□□□ □□□□

a. i. 00000 00 0000 000000 000000 000000 0000 ESC 0000 000000 000000 0000 000000 0000 000000000000
0000 0000 0000000 0000 00,

:W

00000 000 0000000000000 0000000 000 00 0 00000 00000 00000 0000 000 00000

:wq

□□□□ □□□ □□ □ vi □□□□ □□□ □□□ □□□□

:q!

vi

/text

text 的 值 是 一 个 字 符 串 字 节 序 列 的 字 符 串 字 节 序 列 / 按 Enter 键 后 的 字 符 串 *text* 的 值 是 一 个 字 符 串 字 节 序 列


```
% cp chmod.txt /mnt
```

```
ls /mnt 000000 000000 /mnt 0000000000 00 000000 000 000000 000000 000 000000 chmod.txt 00 0000 000000
```

0000 00000 000 /sbin/dmesg 000000000 000000000 0000 000000 0000 000000 000000000000 00000 0000 0000000

```
% /sbin/dmesg > dmesg.txt
```

0000 000 0000 00000000 0000000 0000000000 0000 000000 /sbin/dmefg 000000 000000 00000 000000 00000
 000 000 0000000000 0000000000000 0000 00 00000000 0000 000 00 **FreeBSD** 0000 000000 000 00 00 000000000000
 0000000 0000000 000 0000 **FreeBSD** **Generals Questions** 0000000 000000 freebsd-questions@FreeBSD.org
 000000 000 0000000 0000000 000 0000000 0000 00, "**FreeBSD** 0000 0000000000000 0000000000 0000 0000000 00,
 000 000 00 000 ?" 000 000000000000000 0000000000 **dmefg** 00 0000000000 00 000000 00000000

root 是根目录，

```
# /sbin/umount /mnt
```

0000 00000 00000000 000 000 0000000000 00000 0000 0 000000 00-0 0000000 00000 00 000000000000 00000 0000 000
 0000 00 000000000000 000 000 00-00 **EDIT**, 0000000000 00000000, 000000000000 00 0000 000 0000000000000000
 0000 0000 000 0000000 000 000 000000000 0000 000 00000000 0000 000 000 0000 000000 00000 0000 0000 000000
 00000000 000000 000 000 000 00 00 000000000 0000000 000 000 00000000 0000 0000000 0000 000000 0000 00-00
print 0000000 00000000 000 00000000000 000000 00000000 0000 0000000 (0 000000000 **FreeBSD** 0000 0000000000 000
 00 0000000000 0000000 0000 000 000000 0000000 0000000000)

FreeBSD 0000 000000000 0000 0000 /etc/printcap 000000 0000 000000000 000000 000 000 /var/spool/output 000000000000 00 0000000000 000000000000 0000 0000000000 000000 0000 000 000000 00000000000000 00000000 (0000 00-0 000 00) 0000 000 /var/spool/output 00000000000000 **lpd** 0000 000 00000000000 00 0000 000 **root** 0000000 **mkdir lpd** 0000000 0000 **lpd** 000000 00000000000000 0000 000000 00000000000000 0000 000 000000 00000000000000 **FreeBSD**’00 000000 0000000 000 00000000 000 000000 000 00000 0000 0000 0000 0000 000 **lp** 00 **lpr** 0000 0000 00000000 0000 0000000 000000 000000 000 00000000 00000000 000 00 000 00 00 0000000 000 00000000000 00000000000 00000000000000 0000 00000000000 0000000 000000 **FreeBSD** 00000000000000

7. □□□ □□□□ □□□□□□□□ □□□□□□

df

□□□□□□□□ □□□ □□□□ □□□□□□□□ □□□□ □□□□□□

ps aux

ps ax

```
rm filename
```

filename 文件名 目录名 扩展名


```
# cp -R /cdrom/ports/comm/kermit /usr/local
```

00 000 0000000000 kermid 00000000000000 00 00000 /usr/local/kermid 000000000000 000 0000

000000000000 /usr/ports/distfiles 0000 000 0000000000 00 000000 **mkdir** 0000000000 0000000000 00 0000 000000
 0000 /cdrom/ports/distfiles 0000000000000000 000000 0000000000 000000 00000000 0000 0000 00 00000000 0000 0000, 0000 00
 /usr/ports/distfiles 0000000000000000 0000 0000000000 000000 00000000 0000 0000 00 00000000 0000 0000, 0000 00
 0000000000000000 0000 00000000 **FreeBSD**'0 000000 000000000000000000 000000 00 0000 000000 000000
 000000000000000000 00 00 0000 00000000 000000000000 0000000000 00000000 0000 0000 00 000000 0000 0000 00000000 0000 0000
 0000 00, **Kermit** 00 000000 0000000000 0000 000000 000000 0000 0000

cd /usr/local/kernellib/Makefile

```
# make all install
```

[illegible]

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0000000000 00000000 000 **refresh** 0000000000 00000000 0000 00 000 **FreeBSD** 000 **path** 0 0000000000 0000000000 000
 00000 000 000000 00000000 000 **which** 0 **whereis** 00000000 00000000 0000 **path not found** 000000 000 000 **home**
 00000000000 **.cshrc** 000000 **path** 00 0000000000 000000000000 0000000000 00000 00000 000000000000 000 000 00000 00000000
 000000000 0 00 000000000 **path** 00 00000000 00000000; 00 000000000 000000000000 00000000 0000000000 00000 00000
path 00 000000000000 00 000 000 00000000 000000000000 00000000 000 000000 00000000 00000 000, 000 000000000
 00000000 **./** 000 00000 00000 00000000000 00000000 00000 000 000 **slash** 0 0000000000 00000 000 **space** 00 000000

0000 00000 0000 Netscape 00 00000000 00000000 0000 FTP 0000 0000 00000000 0000 0000000 0000 Netscape
00000000 0000 X Window 000000 0000 0000 FreeBSD'0 0000 Netscape 00 0000 0000 00000000 00000; 000
0000000000 000000 00 000000000000 000 00000000000 000 00000000 00000000000 00 0000000 gunzip filename 0 000000
tar xvf filename 0000000 0000000 0000 00000000 000000000 /usr/local/bin 0000 00000000 00000000 0000 0000 00
0000 000 0000000000000 000000, rehash 000000 000 000 000000 000000000000 home 0000000000000000
.cshrc 0000 000000 00000000000 0000 csh 000000 00000000000 0000 /etc/csh.cshrc-0 000000 0000000000 000000

```
setenv XKEYSYMDB /usr/X11R6/lib/X11/XKeysymDB
```

```
setenv XNLSPATH /usr/X11R6/lib/X11/nls
```

000000 0000 000000 00 XKeysymDB 0000 0 nls 0000000000 0000 /usr/X11R6/lib/X11 000000000000 0000000000
 0000 000000 00 000000000000 00 0000 0000 0000 0000 /usr/X11R6/lib/X11 000000000000 0000 0000 0000

[illegible]

9. □ □ □ □ □ □ □ □ □ □

[illegible][illegible]

0000 00000000 **ssh** 0000 0000 00000000 **tcsh** 0000 **ssh** 00 00 000000 000000 000000 0000 0000 0000 0000000000 00000000 0000
tcsh 0000 00000000 0000 **Arrow Key** 000000 00000000 0000000000 000000000000 000000 0000 0000 0 00000 0000 00000 00 0000
 00000000 000000 000000 00000 0000 0000 **tab** 000000 (**ssh** 00 0000000000 **Esc**) 000000 0000000000 0000 00000 000000 00000 0000
 00000 000000 **cd** - 00000 0000000000 0000000000000000 00000000 0000 000000 00000 00 00000000 00000000 000000000000 000
 0000000 0000000000 0000 00000 00 00000000 **tcsh** 00000 0000 0000 0000 00000000000000

00000000 000000 0000 00000 00000 0000 000 0000000 00000 0000000 0000000 0000

- [illegible]



00000000 00000000 000000 000 **FreeBSD**'s 000000 0000000000000000 **root** 00 000 0000000 sh 00 csh
 0000000 00000 00000 00000000000000 000 0000000000 0000 00000 000 000 00000000 0000, 000 single
user mode 0 00000000000 00000000000 00000000 00, 000 0000 000 00000 00000000000 **root**
 00 000 0000000 **tcs**h 000000000 00000 000000 **su -m** 0000000 000000000 0000000 00 000 **tcs**h 000 **root**
 00 **Environment** 00 000 000 00000 000000 **home** 00000000000 .**tcs**hrc 000000 **alias** 00000 00
 00000000 00000000 000 00000000000000 00000000 0000000000 00000 000000,

```
alias su su -m
```

tssh 這個 軟體 跟 ssh 一樣 是 csh 的 版本 在 /etc/csh.cshrc 與 /etc/csh.login 這兩個檔案 都有 設定 home 目錄 跟 登入 密碼 .tcshrc 跟 .login 跟 .cshrc 跟 tssh 跟 .tcshrc 跟 登入 密碼 跟 登入 密碼 跟 .cshrc'跟 .tcshrc'跟 登入 密碼

000000 000000 000000 000000 000000, **tcsh** 000 000000000 00 0000 000 00 000000000 0000 0000000 **tcsh** 00
 0000000000 0000 0000000000 0000000000 000 0000000 000000 00000000 00000000000 0000 00000 00000 000000 0000 000
.tcshrc 000000 00 0000000 000000 00000000 0000 00000 00000 - 0 00000000 000000000 0000000, 000 0 00000000
 00000000000 0000 000000 **tcsh** 000 000000000 0000 0000000 00000000000 0000 **root** 00 0000 **#** 000 0000000
 0000000000000000 0000 **>** 0000 000000 0000000 000

```
set prompt "%h %t %~ %# "
```

```
.tcshrc 檔案中 的 "set prompt" 指令 指定, 當 使用者 在 終端機 中 輸入 命令, 則 "if($?prompt) then" 會 檢查 是否 有 預設 提示符 存在。如果 沒有, 則 會 輸出 _ comment out_ 的 內容。這 是 為了 防止 某些 腳本 在 終端機 中 執行時, 因為 提示符 被 替換 而 導致 錯誤。space 和 quote 的 使用 是為了 確保 提示符 正確 顯示。source .tcshrc 則是 重新 載入 .tcshrc 檔案 的內容。
```

[illegible]

10. □□□□□□□□

00000000 00000000 0000 000 **root** 00000000 **/sbin/umount /cdrom** 00000000 00000000 0000 000 00000000 0000 000 0000
 00 00000000 00000000 0000 0000 00000000 00000000 0000 **/sbin/mount_cd9660 /dev/cd0a /cdrom** 00000000 00000000 000000
 000000 00 00000000 00000000000000000000 00000000 00000000 0000 **FreeBSD**'0 00000 00000000000000000000 00000000
 00000000 0000 0000 0000 **/sbin/mount /cdrom** 00000000 00000000

00000000000 000000 00000000 00 000 live filesystem 000000 FreeBSD'0 00000000 000000000 00000000 0000 00000000
Live filesystem 0 00 000000 00 000000 00 00000000 0000000000 000000000 00000000 000 00000 0000 000000 0000
 000000 0000000 0000000 000000 000000 **lndir** 0000000 000000000 00000 000 00 **X Window** 00000000000 00000 0000000 000
 00000000 000 00000 00 00 00000000000 00000000000 **/usr** 0 000 00000000 000000000000000000 000000 00000000 00000000000
/cdrom 00 00000 0000000000 000000 **lndir** 0000000 00000000 000 00000000 00000000000000000000 000000 00000000000
 0000000 0000000 00000000 0000000 00000 00000 **lndir**-00 0000000000 0000000000 000000 00000 **man lndir** 0000000 0000
lndir 00 00000000000 0000 000000

11.

[illegible]

