

# 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: 00000000 0000 000 00000 -

```
# exit
```

000000 00000000 00000000 000000 0000  000000 0000000 000000 0000 000000 00, 00000000 0000 0 00 000000  
00000000 0000000000 00000000 0000, 00000000  EXIT 000000 00 0000

시스템을 종료 (shut down) 하거나 재부팅 -

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

또는 시스템을 재부팅 하거나 -

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

또는

```
# /sbin/reboot
```

보통 **Ctrl + Alt + Delete** 키 조합은 시스템 재부팅을 위해 사용됩니다. FreeBSD 시스템에서 이 키 조합은 **FreeBSD**의 **/sbin/reboot** 스크립트를 실행하여 시스템을 재부팅합니다. 이 키 조합은 시스템이 실행 중인 동안만 작동하며, 시스템이 종료된 후에는 작동하지 않습니다. FreeBSD 시스템에서 이 키 조합을 사용하여 시스템을 재부팅하는 방법은 다음과 같습니다.

## 2. Root 권한을 얻기 위한 방법

시스템 관리자 또는 시스템에 접근할 수 있는 사용자 (root)는 시스템의 모든 구성 요소를 관리할 수 있습니다. root 권한을 얻기 위한 방법은 다음과 같습니다.

```
# adduser
```

adduser 명령을 사용하여 새로운 사용자를 생성합니다. 이 명령은 시스템의 사용자 데이터베이스에 새로운 사용자를 추가합니다. adduser 명령을 실행하면 시스템이 새로운 사용자의 정보를 요청합니다. 이 정보를 입력하면 새로운 사용자가 생성됩니다. adduser 명령을 사용하여 새로운 사용자를 생성하는 방법은 다음과 같습니다.

adduser 명령을 실행하면 시스템이 새로운 사용자의 정보를 요청합니다. 이 정보를 입력하면 새로운 사용자가 생성됩니다. adduser 명령을 사용하여 새로운 사용자를 생성하는 방법은 다음과 같습니다.

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

이제 **jack** 사용자가 생성되었습니다. 이 사용자를 **su** 명령을 사용하여 root 권한으로 로그인할 수 있습니다. root 권한으로 로그인하면 시스템의 모든 구성 요소를 관리할 수 있습니다.

adduser 명령을 실행하면 시스템이 새로운 사용자의 정보를 요청합니다. 이 정보를 입력하면 새로운 사용자가 생성됩니다. adduser 명령을 사용하여 새로운 사용자를 생성하는 방법은 다음과 같습니다.



## view filename

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም `view /etc/fstab` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## cat filename

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም `cat` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `cat` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `cat` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

`.cshrc` በመጠቀም `ls` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `alias` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

# 4. ስራዎችን ማግኘት

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `text` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## apropos text

`whatis` በመጠቀም `text` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## man text

`text` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `man` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `ls` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## which text

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `path` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## locate text

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `path` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## whatis text

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `whatis` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

## whereis text

`text` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `_text_` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `whatis` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `cat`, `more`, `grep`, `mv`, `find`, `tar`, `chmod`, `date` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

በዚህ ምሳሌያችን ውስጥ የሚገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል። `locate` በመጠቀም የተገለጹትን ስራዎች በመጠቀም ስራዎችን ማግኘት ይቻላል።

ພວກ ພວ ພວກພວກ ພວກພວກ ພວກ ພວກ ພວກ ພວກ ພວກ ພວກພວກພວກພວກ ພວກພວກພວກ ພວກພວກ ພວກ ພວກ ພວກ ພວກພວກ ພວກ ພວກ **FreeBSD** ພວກພວກ ພວ ພວ, ພວກ ພວກພວກ, ພວກພວກພວກ ພວກພວກ ພວກພວກ ພວກພວກ ພວກພວກ ພວກ ພວກ ພວກພວກ ພວກພວກ ພວກພວກພວກ ພວກພວກ ພວ ພວກພວກພວກ ພວກ ພວກ; **root** ພວກພວກ ພວກພວກພວກພວກ ພວກພວກ ພວກ ພວກ ພວກພວກພວກ ພວກ ພວກ ພວກ ພວກ ພວກ ພວກພວກພວກ ພວກພວກ ພວກພວກ

```
# 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 00000000000000 00000 000 000 0000 0000 00 000 000000 00 0000000 0000000000000 00000000 0000000  
 0000000000 0000000 0000000 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  
 000000000000 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 0000000 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 00000 0000 0000000000 0000000 0000, 0000-00000, 00000000 00000000 00000000000 00000 000 rc.conf 00 0000 0000 0000000 000 00000 0000000000 rc.conf 00 00000000 000 0000000 00000000 rc.conf 00 000 000000000 000 rc.conf.myedit 0000 (0000 00000 00000000 rc.conf0000 0000 000000000 00000000 000 0000) 0

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

□□ □□□ □□□□□□ □□□□□□□ □□ □□□ □□□□□

□□□ □□□□ □□□□ □□□□ □□□□□ □□□□□,

```
# vi filename
```

Arrow key    key    ESC    vi    vi

**X**

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

dd

[illegible]

i

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

**a**

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

a 或 i 按鍵時，按鍵會發出聲音。按 ESC 按鍵時，按鍵會發出聲音。按鍵會發出聲音，按鍵會發出聲音。

:W

[illegible]

:wg

vi

**:q!**

vi

**/text**

*text* 的 值 是 一 个 字 符 串 或 者 一 个 数 组 字 符 串 的 名 称 / 按 Enter 键 可 以 修 改 *text* 的 值 或 者 修 改 其 名 称



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

```
ls /mnt 000000 000000 /mnt 0000000000 00 0000000 000 000000 000000 000 0000000 chmod.txt 00 0000 0000000
```

0000 00000 000 /sbin/dmesg 00000000 00000000 0000 00000 0000 00000 00000000000 00000 0000 000000

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

0000 000 0000 00000000 00000000 0000000000 0000 000000 /sbin/dmefg 000000 000000 00000 000000 00000  
 000 000 0000000000 00000000000000 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](mailto:freebsd-questions@FreeBSD.org)  
 000000 000 0000000 0000000 000 0000000 0000 00, "**FreeBSD** 0000 0000000000000 0000000000 0000 0000000 00,  
 000 000 00 000 ?" 000 00000000000000 0000000000 **dmefg** 00 000000000 00 000000 0000000

root 是根目录，

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

0000 00000 00000000 000 000 0000000000 000000 00000 0 000000 00-0 0000000 000000 00 000000000000 000000 00000 000  
 00000 00 000000000000 0000 0000 00-00 **EDIT**, 00000000000 0000000000, 0000000000000 00 00000 0000 0000000000000000  
 00000 00000 0000 00000000 00000 0000 0000000000 00000 0000 0000 00000 000000 000000 00000 00000 000000  
 000000000 000000 0000 0000 000 00 0000000000 00000000 0000 0000 00000000 00000 00000000 0000 00 0000000 00000 00-00  
**print** 0000000 0000000000 000000 0000000000 000000 00000000 (0 000000000 **FreeBSD** 00000 00000000000 000  
 00 00000000000 0000000 00000 000000 00000000 0000000000)

[illegible]

7. □□□ □□□□ □□□□□□□□ □□□□□□

df

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

ps aux

ps ax

```
rm filename
```

*filename* 文件名 文件名称 文件名字



**rm -R dir**

*dir* 目錄下所有檔案與子目錄全部刪除——即刪除該目錄下所有檔案與子目錄。

**ls -R**

列出所有檔案與子目錄。若需列出所有檔案與子目錄，可執行 `ls -AFR > where.txt`，將結果輸出到 `where.txt` 檔案中。若需列出所有檔案與子目錄，可執行 `ls -AFR > where.txt`，將結果輸出到 `where.txt` 檔案中。

**passwd**

更改密碼。若需更改密碼，可執行 `passwd`。

**man hier**

顯示檔案系統層次結構。若需顯示檔案系統層次結構，可執行 `man hier`。

**find** 命令可用於在 `/usr` 目錄下尋找檔案。若需尋找檔案，可執行 `find`。

```
# find /usr -name "filename"
```

其中 *filename* 為要尋找的檔案名稱。若需尋找檔案，可執行 `find`。

若需瞭解更多關於 `find` 命令的資訊，可參考 [Unix for the Impatient \(2nd ed., Addison-Wesley, 1996\)](#) 或 [Unix Reference Desk](#)。

## 8. 安裝與升級

本節將介紹如何安裝與升級軟體。若需安裝與升級軟體，可執行 `pkg_add`。

若需瞭解更多關於安裝與升級軟體的資訊，可參考 [FreeBSD Handbook](#)。

若需瞭解更多關於安裝與升級軟體的資訊，可參考 [Kermit](#)。

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

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

0000000000000000 /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 0000000000000000 000000 00 0000 0000 000000 0000 0000, 0000 00  
 0000000000000000 0000 000000 **FreeBSD**'0 00000 000000000000000000 000000 00 0000 00000 000000  
 000000000000000000 00 00 0000 00000000 00000000000 0000000000 00000000 0000 0000 00 000000 0000 00000 000000 00000 0000  
 0000 00, **Kermit** 00 00000 0000000000 0000 000000 00000 00000 0000

cd /usr/local/kernit  
Makefile

```
# make all install
```

```

$ cd /usr/ports/distfiles
$ mv distfiles-0 distfiles
$ cat Makefile | more
$ make all install

```

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0000000000 00000000 000 **rehash** 0000000000 00000000 000000 00 0000 **FreeBSD** 0000 **path** 0 0000000000 000000000000 000  
 00000 000 000000 00000000 000 **which** 0 **whereis** 00000000 00000000 000000 **path not found** 000000 000 0000 **home**  
 000000000000 **.cshrc** 000000 **path** 00 0000000000 000000000000 0000000000 00000 00000 000000000000 000 000 00000 00000000  
 00000000 0 00 0000000000 **path** 00 00000000 00000000; 00 0000000000 000000000000 00000000 0000000000 00000 00000  
**path** 00 000000000000 00 000 000 00000000 000000000000 00000000 000 0000000 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

```

$ cd /usr/local/bin
$ mv netscape netscape.bin
$ export PATH=$PATH:/usr/local/bin/netscape
$ echo $PATH
/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/usr/X11R6/bin:/usr/local/bin/netscape

```

**9.**    □ □ □ □ □    □ □ □ □ □

[illegible]

FreeBSD'ın varsayılan kabukları **csh** ve **sh** kabuklarıdır. Bu kabukların varsayılan kabuk olarak kullanılmaları için **csh** kabukunu, diğer kabukları varsayılan kabuk olarak kullanmak için **sh** (ya da **bash**) kabukunu varsayılan kabuk olarak ayarlamak gerekir. Bu ayarları yapmak için **echo \$SHELL** komutunu kullanabiliriz.

0000 00000000 **ssh** 0000 0000 00000000 **tcsh** 0000 **ssh** 00 00 000000 000000 000000 0000 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

[illegible]

- [illegible]



00000000 00000000 000000 000 **FreeBSD**'s 000000 0000000000000000 **root** 00 000 00000000 **sh** 00 **csch**  
 00000000 000000 00000 0000000000000000 0000 0000000000 00000 00000 0000 0000 0000000000 00000, 0000 **single**  
**user mode** 0 000000000000 000000000000 00000000 00, 0000 00000 0000 000000 000000000000 **root**  
 00 0000 00000000 **tcsh** 0000000000 00000 00000000 **su -m** 00000000 0000000000 00000000 00 0000 **tcsh** 0000 **root**  
 00 **Environment** 00 0000 0000 000000 00000000 **home** 000000000000 **.tcshrc** 000000 **alias** 00000 00  
 00000000 0000000000 0000 00000000000000 00000000 0000000000 00000 000000,

```
alias su su -m
```

tssh 這個 腳本 跟 csh 的 腳本 /etc/csh.cshrc 與 /etc/csh.login 的 腳本 一樣 在 home 目錄 下 有 .tcshrc 跟 .login 與 .cshrc 的 腳本 一樣 tssh 的 .tcshrc 跟 .cshrc 的 腳本 一樣 在 home 目錄 下 有 .tcshrc' 跟 .cshrc' 的 腳本 一樣

000000 00000000 00000000 00000000, **tcsh** 000 0000000000 00 0000 000 00 0000000000 0000 00000000 **tcsh** 00  
 0000000000 0000 0000000000 0000000000 000 0000000 00000 00000000 00000000000 0000 00000 00000 0000000 0000 000  
**.tcshrc** 000000 00 0000000 000000 00000000 0000 00000 00000 - 0 00000000 000000000 0000000, 000 0 00000000  
 00000000000 0000 000000 **tcsh** 000 00000000 0000 0000000 0000000000 0000 **root** 00 0000 **#** 000 0000000  
 00000000000000 0000 **>** 0000 000000 0000000 000

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

0000 .tcshrc 00000000 0000 "set prompt" 0000 0000, 0000 00000000 00 00000000 00000000 00 0000 00 0000, 0000  
 "if(\$?prompt) then" 00 0000 00000000 0000 000000 000000 0000 000000 00 \_ comment out\_ 0000 0000 00 0000 000000  
 00000000 000000 00000000 00000000 0000 00000000 00 00000000000000 0000 0000 0000000000 space 0 quote 0000  
 00000000 0000 00000000 0000 source .tcshrc 00000000 00000000 0000 0000 0000 0000 .tcshrc 00000000 000000

[illegible]

**10.** □□□□□□□

root /sbin/umount /cdrom  
/sbin/mount\_cd9660 /dev/cd0a /cdrom  
FreeBSD' /sbin/mount /cdrom

000000000000 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 0000 0000 0000 000000 0000  
 000000 0000000 0000000 000000 000000 **lndir** 0000000 00000000 0000 000 00 **X Window** 0000000000 0000 000000 000  
 00000000 000 0000 00 00 0000000000 000000000 /usr 0 000 00000000 0000000000000000 000000 0000000 0000000000  
 /cdrom 00 0000 000000000 000000 **lndir** 0000000 00000000 000 00000000 00000000000000000000 000000 0000000000  
 0000000 0000000 00000000 0000000 0000 0000 **lndir**-00 0000000000 0000000000 000000 0000 **man lndir** 0000000 0000  
**lndir** 00 0000000000 000 000000

11.

[illegible]

