[illegible] FreeBSD'[illegible]

Abstract

FreeBSD [illegible]!!! [illegible] FreeBSD'[illegible], [illegible]; [illegible], [illegible] BSDi [illegible] FreeBSD.org [illegible] FreeBSD'[illegible] [illegible]; [illegible] [illegible]/[illegible] [illegible] OS/2 [illegible]

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11. [illegible] . . . 12

1. [illegible]

[illegible] `login:` [illegible], [illegible] `root` [illegible], [illegible] root [illegible] root [illegible] FreeBSD [illegible] root [illegible]; [illegible] root [illegible] root [illegible] % [illegible] `[illegible] % [illegible] root [illegible]` [illegible], [illegible]

[illegible] `login:` [illegible] -

```
# exit
```

[illegible] `Enter` [illegible], [illegible], [illegible] `exit` [illegible] `EXIT` [illegible]

□□□□□□□□□□ □□□□ (shut down) □□□□ □□□□□ □□□□□ -

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

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

□□□□

```
# /sbin/reboot
```

□□□□□□ `Ctrl` + `Alt` + `Delete` □□□□□ □□□□□ □□□□ □□□□□□ □□□□□□□ □□□□□□ FreeBSD □□□□□□ □□□ □□□□□ FreeBSD'□ □□□□ □□□□□□□□□□□□□□ `/sbin/reboot` □ `Ctrl` + `Alt` + `Delete` □□□ □□ □□□□ □□□□□□□□□ □□□□ □□□□ □□□□□□□□□ □□□□□ □□□ □□□□□□□ □□□□□ □□□□ □□□ □□□□□ □□□□□□ □□□□ □□□ FreeBSD □□□□□□□□ □□□□ □□□□□□ □□□□□ □□ □□□□ □□□□□□ □□□□□□□ □□□ □□□□□□

2. Root □□□□□□□ □□□□ □□□□□□□□□□□□□ □□□□ □□□□□□□□□□□ □□□□

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```
# adduser
```

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□□□□ □□□ □□□□□□□□□□□□ □□□□ □□□□□□□□□□ □□□□□ □□□□ □□□□□□ □□□ □□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□□□□ □□□□ □□□□□ □□□□ □□□□ □□□□□□□□□□ □□□□ □□□ □□□ □□□□□□□□□□ □□□□□□□□□ □□□ □□□□□□□□□□□□ □□□ □□□□□□□ □□□□ □□□□□□□□□□ □□□□ □□□□ □□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□□□□□ □□□ □□□ □□□□ □□□□□ □□□□□ □□□□□ `wheel`

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

□□ □□□ *jack* □□□□□□□□□□□ □□ □□ □□□□ `su` □□□□□□ □□□□□□□ □□□ root □□□□ □□□□□ □□□□□ root □□□□□□□□□□□ □□ □□ □□□□ □□□□ □□□□ □□□□□□□ □□□□□□□□□□ □□□ □□□□□□□□ □□□□

□□□□□ □□□ `Ctrl` + `C` □□□□ `adduser` □□□□ □□□ □□□ □□□ □□□□ □□□ □□□□□ □□□□□□ □□□□ □□□□□□□□□□ □□□□ □□□ □□ □□□ □□ □□ □□□□□□□ □□□□ □□□□ □□□□ □□□□□ □□□□ □□□; □□□□ □□□□□□□□□□ □□□□ □□□□ □□ □□□□□ □□□□ `n` □□□□ □□ □□□ □□□□ □□□□□ □□□□□ □□□ *jill* □□□□ □□□□□□□ □□□□□□ □□□□□□□□□□ □□□□ □□□□ □□□□□□ □□ □□□□□□ □□ - □□□ □□□□□ *jack* □□□□□

[illegible] *jill* [illegible]

[illegible] `exit` [illegible] root [illegible]; [illegible] root [illegible]

[illegible] `su` [illegible] root [illegible], [illegible] root [illegible] /etc/group [illegible] *jack* [illegible] `wheel` [illegible] Vi [illegible] Vi [illegible] ee [illegible] Vi [illegible] ee [illegible] FreeBSD'[illegible] ee [illegible]

[illegible] `rmuser` [illegible]

3. [illegible]

[illegible] FreeBSD [illegible]

[illegible]

`id`

[illegible], [illegible]

`pwd`

[illegible]

`ls`

[illegible]

`ls -F`

[illegible] `*`, [illegible] `/` [illegible] `@` [illegible]

`ls -l`

[illegible] - [illegible], [illegible]

`ls -a`

[illegible] "dot" [illegible] root [illegible] -a [illegible]

`cd`

[illegible] cd .. [illegible] cd'[illegible] space [illegible], [illegible] /usr/local/ [illegible] cd /usr/local [illegible] cd ~ [illegible] home [illegible] /usr/home/jack[illegible] /cdrom [illegible] cd [illegible] ls [illegible]

`view filename`

[illegible] view /etc/fstab [illegible] q [illegible]

`cat filename`

[illegible] *filename* [illegible] `Scroll Lock` [illegible] `up-arrow` [illegible] `Scroll Lock` [illegible] home [illegible] `cat` [illegible], [illegible] - `cat .cshrc`, `cat .login`, `cat .profile`[illegible]

.cshrc [illegible] `ls` [illegible] alias [illegible] .cshrc [illegible] alias [illegible] alias'[illegible], [illegible] csh [illegible] /etc/csh.cshrc'[illegible] alias [illegible]

4. [illegible]

[illegible] "text" [illegible]

`apropos text`

`whatis` [illegible] *text* [illegible]

`man text`

text [illegible] `man ls` [illegible] `ls` [illegible] `Enter` [illegible], `Ctrl` + `B` [illegible], `Ctrl` + `F` [illegible] `q` [illegible] `Ctrl` + `C` [illegible]

`which text`

[illegible] path [illegible] *text* [illegible] path [illegible]

`locate text`

[illegible] path [illegible] *text* [illegible], [illegible]

`whatis text`

[illegible] *text* [illegible] `whatis *` [illegible]

`whereis text`

text [illegible] _ text_ [illegible] path [illegible]

[illegible] `whatis` [illegible], [illegible]- `cat`, `more`, `grep`, `mv`, `find`, `tar`, `chmod`, `date` [illegible] `script` [illegible] `more` [illegible]-[illegible]; [illegible]: `ls -l | more` [illegible] `more filename` [illegible] `wildcard` [illegible], [illegible]- `ls w` [illegible] w, [illegible]

[illegible] `locate` [illegible] `whatis` [illegible]

[illegible] FreeBSD [illegible], [illegible], [illegible]; root [illegible]

```
# periodic daily
[illegible]
# periodic weekly
[illegible]
# periodic monthly
[illegible]
```

[illegible] `Alt` + `F2` [illegible], [illegible], [illegible], [illegible]; `clear` [illegible] /var/mail/root [illegible] /var/log/messages [illegible]

[illegible], [illegible] root [illegible], [illegible] Unix System Administration Handbook (Prentice-Hall, 1995, ISBN 0-13-15051-7) ([illegible]) [illegible] Essential System Administration (O'Reilly Associates, 1993, ISBN 0-937175-80-3)[illegible]

5. [illegible]

[illegible] /etc [illegible] root [illegible]; root [illegible] `su` [illegible] `ee`; [illegible] `vi` [illegible] `vi` [illegible] `vi` [illegible]- /usr/src/contrib/nvi/docs/tutorial [illegible] ftp.cdrom.com [illegible] FTP [illegible] FreeBSD/FreeBSD-current/src/contrib/nvi/docs/tutorial [illegible]

[illegible] /etc/rc.conf [illegible] `cd /etc` [illegible] /etc [illegible]

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

[illegible] rc.conf [illegible] rc.conf.orig [illegible] rc.conf [illegible] rc.conf.orig [illegible] rc.conf [illegible] rc.conf [illegible] rc.conf.orig [illegible] rc.conf.orig [illegible] rc.conf [illegible]:

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

[illegible], `mv` [illegible], [illegible]-[illegible], [illegible] rc.conf [illegible] rc.conf [illegible] rc.conf [illegible] rc.conf.myedit [illegible] ([illegible] rc.conf'[illegible]) [illegible]

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

[illegible]

[illegible],

```
# vi filename
```

`Arrow` key [illegible] `ESC` [illegible] `vi` [illegible] `vi` [illegible]

x

[illegible]

dd

[illegible]([illegible]; [illegible])[illegible]

i

[illegible]

a

[illegible]

`a` [illegible] `i` [illegible] `ESC` [illegible],

:w

[illegible]

:wq

[illegible] `vi` [illegible]

:q!

[illegible] `vi` [illegible]

/text

text [illegible] `/` [illegible] `Enter` [illegible] *text* [illegible]

□□□□□ □□□□□

G

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nG

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Ctrl-L

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`Ctrl` + `b` □□□ `Ctrl` + `f`

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□□□□□□ home □□□□□□□□□□□□ `vi` □□□□□□□ □□□□□□□ □□□□□□ `vi filename` □□□□□ □□□□□ □□□□□ □□□□□ □□□□□□, □□□□□□□ □□□□□ □□□□□□, □□□□□ □□□□□□, □□□□ □□□□□, `vi` □□□□□ □□□□ □□□□ □□□□, □□□□□ □□□□□ □□□□□□□ `vi`-□ □□□□□ □□□□□□ □□□□□□ □□□□□□□ `vi` □□□□□□ □□□□□□□ □□□□□ □□□□ □□□□□□□□ □□□□□ □□□□□□ □□□□□□ □□□□□ □□□□□□□□ □□□□ □□□□ □□□□□□ □□□□□ □□□□□ □□□□ □□□□□□□□□□ □□□□□□ `vi` □□□□ □□□□□ □□□□ □□□□□ □□ □□□□□ □□□□□□ □□□□□ □□□□□□□□ □□□□ □□□□□□□□ □□□□ `vi` □□□□□□□□ □□□□□□□□ □□□□□□; DOS EDIT □□□□□ □□□□ □□□□□ □□□□□□□□□□□, `:r` □□□□□□□□□ □□□□□□□□□ □□□□ □□□□□□□□□□□ □□□□□ □□□□□□ □□□□□ □□□□□□□ □□□□□□ □□□□□□ `ESC` □□□□□ □□□□□□□□ □□□□ □□□□ □□ □□□□□ `vi` □□ □□□□□□□ □□□□□ □□□□□□ □□□□□□ `:w` □□□□□ □□□□□ □□□□ □□□□□, □□□□□ □□□□□ `:q!` □□□□□ □□□□ □□ □□□□□ □□□□ □□□□ □□□□□ □□□□ □□□□□ □□□□ □□□□□□□ □□□□□ □□□□□□□□ □□□□ □□□□ □□□□□□□ □□□□□ □□□□□□ □□□□□ □□□□□ □□□□□□□

□□□□ `cd` □□□□□□□□□ □□□□□□□□□ /etc □□□□□□□□□□□□ □□□□□□□ □□□□□, `su` □□□□□□□ □□□□□□□□ □□□□ root □□□□, `vi` □□□□□ /etc/groups □□□□□□□ □□□□□ □□□□ `whell` □□□□□□□ □□□□ □□□□□ □□□□□□□□□□□□□□ □□□□ □□□□□□ □□□□□□ □□□□□□ □□□□□□□□ □□□□□ □□□□□ □□□□ □□□□ □□□□□□ □□□□□ □□□□□□□□□□□□□ □□ □□□□□ □□□□ □□□□□□□ □□□□□ □□□□□□□ `Esc` □ □□□□ `:wq` □□□□□ □□□□□□□ □□□□ □□□□□ □ `vi` □□□□□ □□□□ □□□□ □□□□□□ □□ □□□□□□□□□ □□□□□□□□□□□□□□□□□ □□□□□□□□ □□□□□ (□□□□ □□□□ □□□□□ □□ □□□□ space □□□□□□□)

6. □□ □□□□□ □□□□□ □□□□□□□□□ □□□□

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```
% man chmod | col -b > chmod.txt
```

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```
# /sbin/mount -t msdos /dev/fd0 /mnt
```

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

`ls /mnt` [illegible] /mnt [illegible] chmod.txt [illegible]

[illegible] /sbin/dmesg [illegible]

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

[illegible] /sbin/dmesg [illegible] FreeBSD [illegible] FreeBSD Generals Questions [illegible] freebsd-questions@FreeBSD.org [illegible], "FreeBSD [illegible], [illegible] ?" [illegible] `dmesg` [illegible]

[illegible] root [illegible],

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

[illegible] EDIT, [illegible], [illegible] `print` [illegible] ([illegible] FreeBSD [illegible])

FreeBSD [illegible] /etc/printcap [illegible] /var/spool/output [illegible] ([illegible]) [illegible] /var/spool/output [illegible] lpd [illegible] root [illegible] `mkdir lpd` [illegible] lpd [illegible] FreeBSD'[illegible] lp [illegible] lpr [illegible] FreeBSD [illegible]

7. [illegible]

`df`
: [illegible]

`ps aux`
: [illegible] ps ax [illegible]

`rm filename`
: *filename* [illegible]

`rm -R dir`

dir [illegible] — [illegible]

`ls -R`

[illegible] `ls -AFR > where.txt` [illegible] / [illegible] /usr [illegible]

`passwd`

[illegible] root [illegible]

`man hier`

[illegible]

`find` [illegible] /usr [illegible],

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

[illegible] *filename* [illegible] `*` [illegible] ([illegible])[illegible] `find` [illegible] /usr [illegible] / [illegible]

[illegible], [illegible] Unix for the Impatient (2nd ed., Addison-Wesley, 1996). [illegible] Unix Reference Desk [illegible]

8. [illegible]

[illegible] FreeBSD [illegible] ([illegible]) [illegible] FreeBSD’[illegible] `pkg_add /cdrom/packages/All/packagename`, [illegible] *packagename* [illegible] cdrom/packages/index, cdrom/packages/index.txt [illegible] cdrom/ports/index [illegible] /cdrom/ports///pkg/DESCR [illegible] `*` [illegible]

[illegible]

[illegible] Kermit[illegible] Kermit [illegible] /usr/local [illegible] ([illegible] /usr/local [illegible])[illegible]

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

[illegible] kermit [illegible] /usr/local/kermit [illegible]

[illegible] /usr/ports/distfiles [illegible] `mkdir` [illegible] /cdrom/ports/distfiles [illegible], [illegible] /usr/ports/distfiles [illegible] FreeBSD'[illegible] [illegible], Kermit [illegible]

[illegible] `cd` [illegible] /usr/local/kermit [illegible] Makefile [illegible],

```
# make all install
```

[illegible] /usr/ports/distfiles [illegible], [illegible] FTP [illegible] /usr/ports/distfiles [illegible] /usr/ports/distfiles-[illegible] Makefile [illegible] (`cat`, `more` [illegible] `view` [illegible]) [illegible] /usr/ports/distfiles-[illegible] (`mv` [illegible]) [illegible] (FTP [illegible])[illegible] /usr/local/kermit-[illegible] Makefile [illegible] `make all install` [illegible]

[illegible] can't find unzip [illegible], [illegible] unzip [illegible]

[illegible] `rehash` [illegible] FreeBSD [illegible] path [illegible] `which` [illegible] `whereis` [illegible] path not found [illegible] home [illegible] .cshrc [illegible] path [illegible] path [illegible]; [illegible] path [illegible], [illegible] ./ [illegible] slash [illegible] space [illegible]

[illegible] Netscape [illegible] FTP [illegible] Netscape [illegible] X Window [illegible] FreeBSD'[illegible] Netscape [illegible]; [illegible] `gunzip filename` [illegible] `tar xvf filename` [illegible] /usr/local/bin [illegible], `rehash` [illegible] home [illegible] .cshrc [illegible] csh [illegible] /etc/csh.cshrc-[illegible]

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

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

[illegible] XKeysymDB [illegible] nls [illegible] /usr/X11R6/lib/X11 [illegible] /usr/X11R6/lib/X11 [illegible]

[illegible] Netscape [illegible], [illegible] /usr/local/bin/netscape [illegible] Netscape [illegible] /usr/local/bin/netscape [illegible] Environment Variable [illegible] netscape.bin [illegible] /usr/local/netscape/netscape [illegible]

9. [illegible]

[illegible]-[illegible] command.com [illegible], [illegible]-[illegible]

FreeBSD'[illegible] csh [illegible] sh [illegible] csh [illegible], [illegible] sh ([illegible] bash) [illegible] `echo $SHELL` [illegible]

[illegible] csh [illegible] tcsh [illegible] csh [illegible] tcsh [illegible] `Arrow Key` [illegible] `tab` [illegible] (csh [illegible] Esc) [illegible] `cd -` [illegible] tcsh [illegible]

[illegible]

1. [illegible] `rehash` [illegible] `which tcsh` (tcsh [illegible]) [illegible]
2. root [illegible] /etc/shells [illegible], [illegible] /usr/local/bin/tcsh [illegible] ([illegible])
3. [illegible] tcsh [illegible] `chsh` [illegible] `tcsh` [illegible] tcsh [illegible]

> [illegible] FreeBSD'[illegible] root [illegible] sh [illegible] csh [illegible], [illegible] single user mode [illegible], [illegible] root [illegible] tcsh [illegible] `su -m` [illegible] tcsh [illegible] root [illegible] Environment [illegible] home [illegible] .tcshrc [illegible] alias [illegible],

```
alias su su -m
```

tcsh □□□□ □□□□ □□□□ □□□□ csh □□ □□□□ /etc/csh.cshrc □ /etc/csh.login □□□□ □□□□ □□□□ □□□□ home □□□□ □□□□ .tcshrc □□□□ □□ □□□□ □□□□ □□□□ .login □ .cshrc □□□□ tcsh □□□□ .tcshrc □□□□ □□□□ □□□□ □□□□ □□□□ □□ □□□□ .cshrc'□□ .tcshrc'□□ □□□□ □□□□

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

□□□□ .tcshrc □□□□ □□□□ "set prompt" □□□□ □□□□, □□□□ □□□□ □□ □□□□ □□□□ □□ □□□□ □□ □□□□, □□□□ "if($?prompt) then" □□ □□□□ □□□□ □□□□ □□□□ □□□□ □□□□ □□□□ □□ _ comment out_ □□□□ □□□□ □□ □□□□ □□□□ □□□□ □□□□ □□□□ □□□□ □□□□ □□□□ □□ □□□□ □□□□ □□□□ □□□□ space □ quote □□□□ □□□□ □□□□ □□□□ □□□□ source .tcshrc □□□□ □□□□ □□□□ □□□□ □□□□ □□□□ .tcshrc □□□□ □□□□

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