# GentooInstall

# Gentoo linux      #

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-          : 🔲_____
-          .
    🔲**Gentoo handbook**                    .

## 1.1      #

-            Gentoo                                                  .
- Gentoo linux                                        Linux
                                             Gentoo
                          .
                               Linux                                                  .
                **IRC**                                      **IRC**   **#gentoo**
                 .              PC                              **#gentoo**
                          .
-                       .
    2~3                        .                                            1
  .                                                                          .
                                                .                                  .

## 1.2      #

### 1.2.1      #

| Gentoo linux home page (    ) | 🔲view |
| Gentoo linux user group (      ) | 🔲view |
| Gentoo linux 2004.1 handbook (    ) | 🔲view |
| Gentoo linux ?LiveCD 1.4 (x86) ISO download | 🔲download |
| USE          (    ) | 🔲view |
|       portage    (   ) | 🔲view |
| Linux Repository, including kernel source | 🔲download |
|  | 🔲view |
|  1.4        (    ) | 🔲view |
|      FAQ | 🔲view |

| | |
|---|---|
| | ⊞view |
| | ⊞view |
| | ⊞view |
| | ⊞view |
| **1.0 Init System** | ⊞view |
| **USE** | ⊞view |
| **Env.d HOWTO** | ⊞view |
| **Nano Basics Guide** | ⊞view |
| **Gentoo Oracle** | ⊞view |
| **Linux from scratch (LFS)** | ⊞view |

## 1.2.2    #

- 

.

| | |
|---|---|
| **emerge** | **portage** ( **emerge** ) |
| **ebuild** | **emerge** |
| **rc-update** | **ntsysv** . |
| **env-update** | /etc/env.d /etc/profile.env . |
| **net-setup** | **Network** |
| **adsl-setup, adsl-start, adsl-stop, adsl-connect** | **ADSL** |
| **genkernel** | **gentoo kernel** . ( .) |
| **w3m** | **X** ... ( **links** .) . ) |
| **cdrecord** | **CD burning** |
| **qpkg** | . ( .) |
| **chroot** | . |
| **fdisk** | |

## 1.2.3    #

- **CD** **livecd** .

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.
1. ⊞http://ftp.gentoo.or.kr/releases/x86/2004.1/livecd/install-x86-minimal-2004.1.iso : livecd x86 ( CD)
2. ⊞http://ftp.gentoo.or.kr/releases/x86/2004.1/stages/x86/stage1-x86-2004.1.tar.bz2 : Stage 1
3. ⊞http://ftp.gentoo.or.kr/releases/x86/2004.1/stages/x86/stage2-x86-2004.1.tar.bz2 : Stage 2
4. ⊞http://ftp.gentoo.or.kr/releases/x86/2004.1/stages/x86/stage3-x86-2004.1.tar.bz2 : Stage 3

- stage 3 stage 2 stage 2 stage 1 . , stage 1 stage 3 stage 1 stage 2 . stage 3

stage 1 stage 3 . make.conf stage 3 . ( stage 1 .)

## 1.3    #

### 1.3.1 Live CD    #

- ⊞___ ?LiveCD ISO image . 82?MByte mirror 10 .

1. ⊞Stage 1 / ⊞Stage 2 / ⊞Stage 3

- CD 1 .
- ISO CD ?LiveCD . ( Windows CD .)

```
cdrecord -v -eject speed=4 dev=0,0,0 install-x86-minimal-2004.1.iso
```

- CD CD .

### 1.3.2 Network    #

- Gentoo linux Gentoo mirror Network .
- adsl **net-setup** network adsl **adsl-setup** adsl .
- **IP** **IP**(dhcp) .

```
livecd gentoo # net-setup eth0
```

- **adsl**                                                     **adsl ID**, **Password**, **DNS**
  .

```
livecd gentoo # adsl-setup
...              /*       ADSL ID, Password, DNS      (STANDALONE    ) */
livecd gentoo # adsl-start
..Connected!
livecd gentoo #
```

- **"/etc/resolv.conf"**                       **nameserver**
  .
- **Gentoo 2004.1**              **NIC**                                              .
                              2004.0                                              .
     2004.1                                      .       NIC
                                        2004.0
   .       2004.0                       2004.1                       2004.1
               **2004.0**   _____                                          . 2004.1
                          .

## 1.3.3 Root                    (                           ) #

- Gentoo 1.4              2004.0                       sshd
                          .                        . (
         .)

```
livecd gentoo # passwd root
New UNIX password: xxxxxxxx
Retype new UNIX password : xxxxxxxx
```

-                                                                              .
**sshd**                .

```
livecd gentoo # /etc/init.d/sshd start
...                             ...
 * Generating RSA-Hostkey...        [ ok ]
...                             ...
 * Starting sshd...                 [ ok ]
```

-                                                    **"ssh root@<            >"**
                          .                                      .
-            **ssh**                                              **"~/.ssh"**
            **"known_hosts"**
        .

## 1.3.4 _____         #

-                                              .                        . (     : __
____)

```
cdimage root # /sbin/fdisk -l
```

---

```
Disk /dev/hda: 30.0 GB, 30005821440 bytes
255 heads, 63 sectors/track, 3648 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

   Device Boot    Start      End     Blocks   Id  System
/dev/hda1   *        1       13     104391   83  Linux          100MByte
/dev/hda2           14     1058    8393962+  83  Linux          8GByte
/dev/hda3         1059     3614   20531070   83  Linux          20GByte
/dev/hda4         3615     3648     273105   82  Linux swap     256MByte
```

-
    /dev/hda1="/boot", /dev/hda2="/backup" , /dev/hda3="/", /dev/hda4="swap"
                                                                  .
-                                                                  .

```
cdimage root # mke2fs -j /dev/hda1 ; mke2fs -j /dev/hda2 ; mke2fs -j /dev/hda3
cdimage root # mkswap /dev/hda4 ; swapon /dev/hda4
...
```

-                      **ext3**                      **mke2fs**          **"-j"**
**ext2**                  **"-j"**                  .
                          .
-                        **"/mnt/gentoo"**          **mount**                        .

```
cdimage root # mount /dev/hda3 /mnt/gentoo
cdimage root # mkdir /mnt/gentoo/boot
cdimage root # mount /dev/hda1 /mnt/gentoo/boot
cdimage root # cd /mnt/gentoo
```

-                              **stage1**        **package**    **"/mnt/gentoo"**
        .

```
livecd gentoo # cd /mnt/gentoo
livecd gentoo # wget http://ftp.gentoo.or.kr/releases/x86/2004.1/stages/x86/stage1-x86-.
...
livecd gentoo # tar -xvjf stage1-x86-2004.1.tar.bz2
...
```

- **Stage1**          **package**                  **proc**                  **proc**  **mount**
  .

```
livecd gentoo # mount -t proc proc /mnt/gentoo/proc
```

- **swap**                              **2**                                    **256?**
**MByte**              **256?MByte**
  .                  .

## 1.4 Mirror         #

-                      **Gentoo linux**                                      **package**
**mirror**                      **mirror**                      .
    **mirror**                                              .

```
cdimage root # mirrorselect -i -o >> /mnt/gentoo/etc/make.conf
```

- mirror . (
  Network .)
- mirror `http://ftp.gentoo.or.kr`
  . .

### 1.4.1 chroot #

- chroot "/"
  .

```
cdimage root # cp /etc/resolv.conf /mnt/gentoo/etc/resolv.conf
cdimage root # chroot /mnt/gentoo /bin/bash
cdimage / # env-update
cdimage / # source /etc/profile
```

- "/mnt/gentoo" "/"
  .

### 1.4.2 Portage #

- Gentoo portage portage
  . .

```
cdimage / # emerge sync
```

- . ( 30 1 .)

### 1.4.3 #

- Gentoo
  "/etc/make.conf" .

  . vi
  "nano" . vi
  chroot vi . vi
  "ALT + F2" console
  "/mnt/gentoo/etc/make.conf" .

```
CHOST="i686-pc-linux-gnu"
CFLAGS="-O2 -mcpu=i686 -fomit-frame-pointer -pipe"
CXXFLAGS="-O2 -mcpu=i686 -fomit-frame-pointer -pipe"
GENTOO-MIRRORS="http://ftp.gentoo.or.kr/"
```

- -fomit-frame-pointer package inline
  assembly . package
  package
  . ( Hacking tool tool
  !)

### 1.4.4 Boot strap #

- binutils, gcc, gettext, glibc
  script "emerge sync"
  script .
  . 4 .
  stage 3 "emerge system"
  .

```
cdimage / # cd /usr/portage
cdimage / # scripts/bootstrap.sh
cdimage / # source /etc/profile        /* bootstrap
```

- : ! bootstrap "emerge system"

  system
  ?
  .

```
cdimage / # cd /usr/portage
cdimage / # scripts/bootstrap.sh ; source /etc/profile ; emerge system
```

### 1.4.5 System #

- Gentoo build
  .

```
cdimage / # emerge system
```

- . ( 12 .)

### 1.4.6 #

- GMT
  .

```
cdimage / # ln -sf /usr/share/zoneinfo/Asia/Seoul /etc/localtime
```

### 1.4.7 fstab #

- mount fstab mount .
  .

```
# <fs>              <mountpoint>    <type>    <opts>              <dump/pass>
/dev/hda1           /boot           ext3              noatime           1 1
/dev/hda2           /storage ext3             noatime           0 0
/dev/hda3           /               ext3              noatime           0 0
/dev/hda4           none            swap              sw                0 0
/dev/cdroms/cdrom0 /mnt/cdrom       iso9660           noauto,ro       0 0
```

```
#                                                        .
none                          /proc          proc              defaults        0 0
none                          /dev/shm tmpfs          defaults          0 0
```

- fstab

                              .                                              . 🟡

### 1.4.8 Kernel        #

- Kernel        2                                        Gentoo
                                                    .
- http://www.kernel.org                    2.6.6                    .

#### 1.4.8.1 Gentoo            #

- genkernel
                              .
-                                              (                "DEVFS"
  ...)            .

```
File systems --> Pseudo filesystems --> [*] /dev file system support
File systems --> Pseudo filesystems --> [*]   Automatically mount at boot
```

#### 1.4.8.2 genkernel            #

-                                                    "/usr/portage/sys-kernel"
                              .        gentoo-sources
                      .

```
cdimage / # emerge -k sys-kernel/gentoo-sources  /*       emerge -k sys-kernel/gs-sourc
cdimage / # emerge -k genkernel
```

-                      "/usr/src/linux"            "make menuconfig"
                              . (
        "genkernel all"            .
                      .)

```
cdimage / # genkernel all
```

- genkernel            "/boot"            kernel-2.X.X-gentoo-rX
                      . (                                  .
  Bootloader                  .)

#### 1.4.8.3            #

- 🖼___            2.6            "/usr/src"
              .

---

```
cdimage / # emerge module-init-tools (      2.6
cdimage / # cd /usr/src
cdimage / # wget http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.6.tar.gz        lir
cdimage / # tar -xvzf linux-2.6.6.tar.gz      tar -xvjf linux-2.6.6.tar.bz2
...
cdimage / # ln -s linux-2.6.6 linux
cdimage / # cd linux
cdimage / # make mrproper
cdimage / # make menuconfig (          )
cdimage / # make clean modules modules_install bzImage
cdimage / # cp arch/i386/boot/bzImage /boot/bzImage-2.6.4
```

-                      bzImage                                "make install"            "/boot/vmlinuz"
              . (                                              .)
-                                                                  .
                              .                                  .
                      .

### 1.4.9 System            #

-                      syslog-ng

```
cdimage / # emerge syslog-ng
cdimage / # rc-update add syslog-ng  default
```

- syslog-ng                              .        /usr/portage            . (
              sysklogd              .)

### 1.4.10 CRON        #

```
cdimage / # emerge vixie-cron
cdimage / # rc-update add vixie-cron default
```

### 1.4.11            package        #

#### 1.4.11.1 rp-pppoe #

- adsl              rp-pppoe                  .            X
          . USE="-X"                          .

```
cdimage / # USE="-X" emerge rp-pppoe
```

#### 1.4.11.2 pcmcia-cs #

-                      pcmcia
              .

```
cdimage / # emerge sys-apps/pcmcia-cs
cdimage / # rc-update add pcmcia default
```

#### 1.4.11.3 vim #

```
cdimage / # emerge vim
```

#### 1.4.11.4 cvs #

```
cdimage / # emerge cvs
```

### 1.4.12                                                                #

• root                                                                    **root**
**2**                    .
•    :                    livecd                                              .
       !

```
cdimage / # passwd
```

•

```
cdimage / # adduser {MyUser} -m -d /home/{MyUser} -G users,wheel,audio -s /bin/bash
cdimage / # passwd {MyUser}
```

### 1.4.13                    #

•

```
cdimage / # echo {My PC name} > /etc/hostname
cdimage / # echo {My domainname.com} > /etc/dnsdomainname      /*              hostna
cdimage / # echo {My nis.domainname.com} > /etc/nisdomainname   /*              hostna
```

### 1.4.14 Network      #

•                         network IP                . "**/etc/conf.d/net**"
   . (adsl                    **adsl-setup**                                    .
**adsl-start**                .)
•          network script                                              .

```
cdimage / # rc-update add net.eth0 default          /*       eth0
```

### 1.4.15 autoload             #

•                                module
•              .                        "**/etc/modules.autoload.d/kernel-2.x**"

---

**module**                                                        .
**Ethernet driver module**                            .          e100.o(      2.6        e100.ko)
                                    **.o(      .ko)**                                        .

```
# This is assuming that you are using a 3com card.
# Check /lib/modules/<kernel version>/kernel/drivers/net for your card.
# 3c59x
e100
```

### 1.4.16 Bootloader        #

•              lilo              lilo              grub
   loader          .

```
cdimage / # emerge -p grub        /* Grub            */
cdimage / # emerge -p lilo        /* Lilo            */
cdimage / # emerge lilo          /*      lilo      lilo      */
```

•      lilo                  "**/etc/lilo.conf**"                              .
   grub                  "**/boot/grub/grub.conf**"                        .

```
# Start LILO global section
boot=/dev/hda
map=/boot/map
install=/boot/boot.b
prompt
timeout=50
lba32
default=linux

#Linux section
image=/boot/bzImage-2.6.4
label=linux
read-only
root=/dev/hda3

#/dev/hda1    Windows

#Windows section
other=/dev/hda1
label=dos

# End of lilo.conf
```

•                      **lilo**      (grub              grub                  ?)
   .

### 1.4.17          #

•                                                        . (
     )
•                                        .

```
cdimage / # etc-update
cdimage / # exit
cdimage / # cd /
cdimage / # umount /mnt/gentoo/boot
cdimage / # umount /mnt/gentoo/proc
cdimage / # umount /mnt/gentoo
cdimage / # reboot
```

- **?LiveCD** .

## 1.4.18  portage  #

- .
  X
  . **?LiveCD**
**chroot** .

### 1.4.18.1 Gnome  #

- GUI  Gnome
Linux  ?
- USE
  ./etc/make.conf .
  **"gtk2"** .

```
USE="X gtk2 gnome -qt -kde"
```

- **KDE  QT**  USE  **"-qt -kde"** . **gnome  gtk(gtk2)**  KDE . ?  **gpm** . **"-gpm"**  USE . **"USE"** .
- **"emerge gnome"** (KDE  **"emerge kde"**) . gnome  mozilla . USE  -mozilla .

  - libgnomeprintui .
    mkdir /var/tmp/portage/fontconfig-2.2.1/image  ln -s /usr /var/tmp/portage/fontconfig-2.2.1/image/usr
    emerge gnome  .  .

- gentoo  X . X **"/etc/X11/gdm/gdm.conf"** gdm  **"emerge gdm"**  **"/etc/rc.conf"**  gdm . gdm  **"XSESSION=Gnome"** . xdm .

```
cdimage / # rc-update add xdm default
```

- X **"/etc/X11?/XF86Config"** . **XFree86** . **"/root/?XF86Config.configure"** . **?XFree** .

```
cdimage / # /usr/X11R6/bin/XFree86 -configure
...
cdimage / # mv /etc/X11/XF86Config /etc/X11/XF86Config.backup
cdimage / # cp /root/XF86Config.configure /etc/X11/XF86Config
```

### 1.4.18.2  #

- krisna " " (nabi) .

```
cdimage / # emerge nabi
```

- nabi . /etc/env.d/00basic .
- update **"/etc/env.d/00base"** . **"/etc/env.d/02useretc"** ( .) update .

```
#
LANG="ko_KR.euckr"
# ko_KR.eucKR:ko_KR:ko:en_US:en
SUPPORTED="ko_KR.eucKR:ko_KR:ko"
SYSFONT="lat0-sun16"
SYSFONTACM="iso01"

# nabi - !
XMODIFIERS="@im=nabi"
XIM_PROGRAM=/usr/bin/nabi
```

- /etc/env.d/00basic /etc/profile.env .

```
cdimage / # env-update
```

- gnome " " ." " **"/usr/bin/nabi"** . gnome .

### 1.4.18.3  #

- X . ( ) ?

.                                                       Windows
"**/usr/share/fonts/ttf/korean/ms**"
.
.
- "**/usr/share/fonts/**"                                                                          .
  **fc-cache**                                .

  - AA                                                                    Xft(Fontconfig)
                             (Gnome2.x, **?**KDE3.x, Xfce4...          )
    "**~/.fonts**"
    .                          ~/.fonts.conf - mattengi
    - Fonts in XFree86
    - Fontconfig
    -            (GPL          )

- X font server     service                                            . "**rc-update add xfs default**"
                                          "**fc-cache**"                                                  .

### 1.4.18.4                                                    mplayer #

- mp3                "             "   "**XMMS**"
              .

  - pmp3                                              . pmp3                         ~
    =3=33

- **mplayer!**
                                                    "       "
                                     .            .       ~/.mplayer/config
                          . , mplayer                          mplayer
                                 . (                        :
    http://www1.mplayerhq.hu/MPlayer/contrib/fonts/korean - dotum20
                       .)

```
font={mplayer                                                    }/font.desc
#                              UTF                      .
subcp=ko-kr
unicode=1
```

  - mplayer            "**/usr/share/mplayer/fonts**"
           .
  - "**~/.mplayer/config**"
                                              (             )
    "**/etc/mplayer.conf**"                                    .

- xine
                   . "emerge xine-lib;emerge xine-ui"                                              .
- mplayer     Mozilla    plugin
             .                  1.4                 portage
      .

---

### 1.4.18.5 CD-RW                          cdrecord        #

- CD-RW                                                            "**cdrecord**"
                     "**emerge cdrtools**"                          .

### 1.4.18.6                         #

- ▪____                                                          .
  .

### 1.4.18.7 FTP server        #

- .

```
cdimage / # emerge proftpd
cdimage / # cp /etc/proftpd/proftpd.conf.sample /etc/proftpd/proftpd.conf
/* "/etc/proftpd/proftpd.conf"                */
cdimage / # rc-update add proftpd default
cdimage / # /etc/init.d/proftpd start
```

### 1.4.18.8                                          #

- .

```
bash # emerge nmap                   /*           */
bash # emerge valgrind               /* Memory leak                        */
bash # emerge rpm                    /* RedHat  RPM      Source rpm
bash # emerge unzip                  /* ZIP       */
bash # emerge unrar                  /* RAR       */
bash # emerge unlzh                  /* LZH       */
bash # emerge telnet-bsd             /* Telnet client */
bash # emerge ltrace                 /* Library         */
bash # emerge strace                 /*        /              */
bash # emerge upx                    /*         */
bash # emerge gentoolkit             /*                        . */
```

## 1.5 Gentoo linux Stage3                                #

- Stage 1                                          .
  Stage 3                                          .     Stage 3                  bootstrap
                     Stage 1                          .      Stage 3
                   Stage 1     tar.bz2      /mnt/gentoo                         Stage 3
  kernel                                      .                           /etc/
                                      . "emerge sync"                     .

## 1.6 FAQ #

- **Q**: X                                                              ?
  - **A**:        /etc/rc.conf                                           "rc-update add

`xdm default"`                    `xdm`                              .

- **Q**:                                                              ?
  - ○ **A**: `"emerge -C <portage    >"`
         .  ,                                                    .
- **Q**:                  service                        .                      service
                   .
  - ○ **A**:        service                                     `"rc-status"`
                    service                                    `"rc-update show"`                                    .
- **Q**: man page
                         ?
  - ○ **A1**:              UTF-8
                  `"LC_CTYPE=utf-8"`
               . , `"/etc/env.d/00basic"`    **LC_CTYPE="utf-8"**
        `"env-update"`                        `"source /etc/profile"`
              .                                              .
  - ○ **A2**:              LANG                ko_KR.euckr
    `LESSCHARSET="iso8859"`    `"/etc/env.d/00basic"`
                      .
- **Q**:                              .              ("**synaptics**")              **?XFree**
                                ( 5  +)
                            .                          .
   ?
  - ○ **A**:                              `"/etc/X11?/XF86Config"`
     . (🔲Download driver (HOWTO))

```
Section "InputDevice"
#       Identifier   "Mouse0"
#       Driver       "mouse"
#       Option       "Protocol" "PS/2"
#       Option "Edges" "1900 5400 1900 4000"
#       Option "Finger" "25 30"
#       Option "MaxTapTime" "180"
#       Option "MaxTapMove" "220"
#       Option "VertScrollDelta" "100"
#       Option "MinSpeed" "0.02"
#       Option "MaxSpeed" "0.18"
#       Option "AccelFactor" "0.0010"
#       Option "ZAxisMapping" "4 5"
#       Option "Device" "/dev/mouse"
#       Option "Emulate3Buttons" "true"
#       Option "Emulate3Timeout" "70"

    Driver          "synaptics"
    Identifier      "Mouse0"
    Option "Device"         "/dev/psaux"
    Option "Protocol"       "PS/2"
    Option "LeftEdge"       "1900"
    Option "RightEdge"      "5400"
    Option "TopEdge"        "1900"
    Option "BottomEdge"     "4000"
    Option "FingerLow"      "25"
    Option "FingerHigh"     "30"
    Option "MaxTapTime"     "180"
    Option "MaxTapMove"     "220"
    Option "VertScrollDelta" "100"
    Option "MinSpeed"       "0.02"
```

---

```
    Option "MaxSpeed"       "0.18"
    Option "AccelFactor" "0.0010"
    Option "SHMConfig"      "on"
#   Option "Repeater"       "/dev/ps2mouse"
EndSection
```

- **Q**:                          package                          ?
  - ○ **A**: `"emerge -f <portage   >"`(fetchonly)
          `"/usr/portage/distfiles"`                    .
- **Q**:        (Screen capture)                    ?
  - ○ **A**: `"?PrintScrn"`                      .                      .
            `"Alt + ?PrintScrn"`              .
- **Q**:
                      ?
  - ○ **A**: `"/usr/portage/distfiles"`                              . (
         !       .)
- **Q**:                                                              ?
  - ○ **A1**:        portage                              . `"emerge sync"`
          . `"emerge rsync"`          . portage update          `"emerge -u world"`
                      .
- **Q**:                                        ?
  - ○ **A**:                                      1.2?GByte
           .      20G          18G                      .
                    1.0?GByte                            . (X    )
- **Q**: gentoo                        **gdesklets**
                        ? **"emerge"**          **mask**
     .
  - ○ **A**:                      .              **gdesklets**
    **ACCEPT_KEYWORDS="~x86""**     emerge
         .
    1. **"ACCEPT_KEYWORDS="~x86" emerge gdesklets-core"**
         .
    2. **"/usr/portage/x11-plugins/desklets-*"**
              .
    3.                              `"/usr/bin/gdesklets"`
         .
    4.                    .
    5. **"/usr/share/gdesklets/Display"**              .
    6.      desklet-meminfo
       **"/usr/share/gdesklets/Displays/meminfo/dark-the"**
       **"gdesklets meminfo.display"**              .
    7.              **meminfo**
                      .
    8.                . (                    )
       1. 🔲_____
- **Q**: Apache 2    **?PHP4**                    PHP              .
  - ○ **A**:                      .
    1. **"emerge apache"** (      Apache 2              .)
    2. **"emerge mod_php"**
    3.      apache          `"/etc/conf.d/apache2"`              .

```
"APACHE2_OPTS="-D PHP4""                                    PHP
```
.
    4.     "/etc/php/apache2-php4/php.ini"
         . (        upload       ...)

- **Q**: sshd     telnet      .        ?
  - **A**:      .
    1. xinetd           . "**emerge xinetd**"
    2. "**rc-update add xinetd default**"
    3. "**/etc/xinet.conf**"    localhost        .
    4. "**emerge netkit-telnetd**"
    5. "**/etc/xinet.d**"      "**telnetd**"         .
       "**disable=yes**"        "**disable=no**"
       .
    6.         "**/etc/inet.d/xinetd start**"
       telnet      .
- **Q**:      .
  - **A**:      . ,
        . (         ... : FIXME!!!)
    1. "**emerge cups**"
    2. "**/etc/xinet.d/cups-lpd**"   "**disable=yes**"   "**disable=no**"
       .
    3. "**rc-update add cupsd default**"
    4. "**/etc/printcap**"          gnome
       "**gnome-cups-manager**"      .     .
    5.          "**lpr <filename>**"
               "**lpq**"      .

## 1.7         #

```
# net-setup eth0
# vi /etc/resolv.conf
# fdisk <...>
# mke2fs -j <...>
# mkswap <...>
# swapon <...>
# mount <...> /mnt/gentoo
# mkdir /mnt/gentoo/boot
# mount /dev/hda1 /mnt/gentoo/boot
# cd /mnt/gentoo
# wget http://ftp.gentoo.or.kr/releases/x86/2004.1/stages/x86/stage1-x86-2004.1.tar.bz2
# tar -xvjf stage1-x86-2004.1.tar.bz2
# mount -t proc proc /mnt/gentoo/proc
# mirrorselect -i -o >> /mnt/gentoo/etc/make.conf
# cp /etc/resolv.conf /mnt/gentoo/etc/resolv.conf
# chroot /mnt/gentoo /bin/bash
# env-update
# source /etc/profile
# emerge sync
# nano /etc/make.conf
# cd /usr/portage ; scripts/bootstrap.sh ; emerge system
# ln -sf /usr/share/zoneinfo/Asia/Seoul /etc/localtime
# nano /etc/fstab
```

---

```
# emerge -k sys-kernel/gentoo-sources
# emerge -k genkernel
# cd /usr/src/linux
# make menuconfig
# genkernel all
# emerge syslog-ng
# rc-update add syslog-ng default
# emerge vixie-cron
# rc-update add vixie-cron default
# passwd
# echo MyHostName > /etc/hostname
# nano /etc/conf.d/net
# rc-update add net.eth0 default
# nano /etc/modules.autoload.d/kernel-2.x
# emerge lilo
# nano /etc/lilo.conf
# /sbin/lilo
# etc-update
# exit
# cd /
# umount /mnt/gentoo/boot
# umount /mnt/gentoo/proc
# umount /mnt/gentoo
# reboot
```

## 1.8         #

-    " !       ~"         .  1    10
     ...
-           IRC  #gentoo
        .      .
-         **Gentoo linux**        .



-      :     ([minzkn](.))
    1. 2003.11.24 :       (1.4   )
    2. 2004.6.2 : 2004.1        . (
          ...)

## 1.9       #

-               **emerge gnome**

. 2004.1                              stage 3
        .              stage                                          .
    .... -- _____