

## Using /dev/loop to view a CD image

This tip explains how to use the loop device to view or share files from a CD image or ISO file.

First, you need to make sure you have support in your kernel. It can be configured as a module so there's no need to reboot if you don't have support.

### Code Listing 1: Installing the kernel module

```
// configure the following option"
Block Devices
-> Loopback device support
# make dep && make modules modules_install
# insmod loop
```

To view the contents of an iso file, just mount the iso on a loopback device. For example, here we mount gentoo-basic-x86-1.4\_rc4.iso to gentoo-1.4\_rc4/.

### Code Listing 2: Mounting an iso on a loopback device

```
# mount gentoo-basic-x86-1.4_rc4.iso gentoo-1.4_rc4 -o
loop=/dev/loop1,blocksize=1024
```

Now you can view the directory gentoo-1.4\_rc4 just as if it were part of your regular filesystem.

From <http://www.gentoo.org/news/en/gwn/20030414-newsletter.xml>

current rating:

image:rdf newsfeed / //static.linuxhowtos.org/data/rdf.png (null)

|  
image:rss newsfeed / //static.linuxhowtos.org/data/rss.png (null)

|  
image:Atom newsfeed / //static.linuxhowtos.org/data/atom.png (null)

- Powered by

image:LeopardCMS / //static.linuxhowtos.org/data/leopardcms.png (null)

- Running on

image:Gentoo / //static.linuxhowtos.org/data/gentoo.png (null)

-

Copyright 2004-2020 Sascha Nitsch Unternehmensberatung GmbH

image:Valid XHTML1.1 / //static.linuxhowtos.org/data/xhtml1.png (null)

:

image:Valid CSS / //static.linuxhowtos.org/data/css.png (null)

:

image:buttonmaker / //static.linuxhowtos.org/data/buttonmaker.png (null)

- Level Triple-A Conformance to Web Content Accessibility Guidelines 1.0 -

- Copyright and legal notices -

Time to create this page: ms

```
<!--  
image:system status display / /status/output.jpg (null)  
-->
```