(/)

Bochs x86 PC emulator (/p/bochs/)

Brought to you by: bdenney (/u/bdenney/), cbothamy (/u/cbothamy/), psyon (/u/psyon/), sshwarts (/u/sshwarts/), and 2 others (/p/bochs/_members/)

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[Bochs-developers] Bochs documentation: loop device (fwd)

[Bochs-developers] Bochs documentation: loop device (fwd) (/p/bochs/mailman/message/5498579/)
From: Bryce Denney <bryce@tl...> - 2001-10-31 19:46:29

```
Here are some hints for linux users from Volker Ruppert.
Eventually it will get into the official documentation. :)
-Bryce


---------- Forwarded message ----------
Date: Sat, 13 Oct 2001 21:43:02 +0200
From: Volker Ruppert <Volker.Ruppert@...>
To: Bryce Denney <bryce@...>
Subject: Bochs documentation: loop device

Hello Bryce,

today I have made some tests with the loop device, because I want to exchange
files with the bochs disk images. This part of the bochs documentation is
still missing. This is what I found out:

1.  In the bochs documentation appears the term "loopback". That's not O.K.,
    because the loopback device is a network device. To prevent a mistake, it
    should be renamed.

2.  Using Floppy images is easy, because there is no partition table:
```

```
         losetup /dev/loop0 /usr/local/bochs/dlxlinux/floppya.img

         Now you can use the image like a real floppy:

         - format          : mkfs.minix /dev/loop0
         - filesystem check : fsck.minix /dev/loop0
         - mount           : mount /dev/loop0 -o loop /mnt/floppy

         Before you want to restart bochs you must do this:

         losetup -d /dev/loop0

         Don't forget to umount before.

   3.   If you want access to a harddisk image, you have to calculate the size of
        the first cylinder. This value is the offset argument for losetup.

         offset = bytes per sector * sectors per cylinder

         The command for dlxlinux image looks like this:

         losetup /dev/loop0 /usr/local/bochs/dlxlinux/hd10meg.img -o 8704

         For images created by bximage you must use the value 32256.

   4.   The harddisk image access doesn't work if the image contains more than
        one partition.

   5.   I have made this tests with linux and I don't know how
        this could be done with other operating systems.

         --
         Bye

         Volker
```

Thread view

[Bochs-developers] Bochs documentation: loop device (fwd) (/p/bochs/mailman/message/5498544/)
From: Bryce Denney <bryce@tl...> - 2001-10-14 00:26:25

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   Some hints on using disk images in linux with the loop device, from
   Volker Ruppert...


   ---------- Forwarded message ----------
   Date: Sat, 13 Oct 2001 21:43:02 +0200
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