

Re: OT: Mirroring via disk image file

Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2005-10/3306.html>

From: Hugo Vanwoerkom (hvw59601_at_care2.com)

Date: 10/30/05

To: debian-user@lists.debian.org

Date: Sun, 30 Oct 2005 15:01:22 -0600

Roberto C. Sanchez wrote:

> *On Sun, Oct 30, 2005 at 03:15:56PM -0500, Marty wrote:*

>

>> *I plan to mirror then replace a hard drive, using an identical model drive.*

>>

>> *Instead of a device-device copy e.g. "cp /dev/hda /dev/hdb" I hope to do*

>> *"cp <old drive> image" followed by cp image <new drive>" where "image" is*

>> *a disk image file of the original drive.*

>>

>> *Will the physical sector arrangement be preserved using the intermediate image*

>> *file, or is that only possible with the device-device copy? I'm asking here*

>> *because don't have the identical drives available to test my theory beforehand.*

>

>

> *[Assumption, current hard drive is hda, CD-ROM is hdc]*

>

> *If the drives are *exactly* identical,*

**exactly*, can that mean both e.g. 80GB drives?*

you can move your old drive to be

> *the slave on the secondary ide channel, which makes it hdd. Then place*

> *the new drive on hda. Boot Knoppix, or another suitable live CD distro,*

> *and then do this:*

>

> *dd if=/dev/hdd of=/dev/hda*

>

> *Make absolutely 100% sure that hdd contains the old drive and hda the*

> *new drive, or you will obliterate your data with garbage. Also, make*

> *sure that you specify `if' and `of' correctly, since `i' and `o' are*

> *next to each other on a qwerty keyboard.*

>

> *If you would like to this reasonably quickly, I would recommend enabling*

> *DMA on the drives after booting. I believe that Knoppix leaves it off*

> *by default since it can cause problems in some rare cases.*

>

> *-Roberto*

Debian-User: Re: OT: Mirroring via disk image file

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