

Xorg.conf + IDE snags in FC2

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To: fedora-list@redhat.com

I was previously running FC1 on a Shuttle SB61G2 (P4 2.8E, 865g/ICH5), with an SGI 1600SW monitor (1600x1024) via Radeon 9200SE. It runs MythTV (with Hauppauge 401 card), so I decided to move to a larger HDD. I also wanted xfs for the video store; I had been using reiserfs because it empirically appeared to cause less disk I/O while recording than ext3.

I installed the new HDD in the internal rack. Since there's no space for another HDD inside, I rejumped the old HDD as an IDE slave and hooked it up on the same chain with the optical drive, sitting on top of the works with the external cover off. The FC2 installer found both HDDs as well as the FC1 installation on /dev/hdd. I opted for a fresh install on the new /dev/hda. So far, so good.

When I booted the new installation, it tried to bring up the firstboot screen. However, I had a bad Xorg.conf, so firstboot blew up. I retrieved the modeline from my old HDD and rebooted, coming back with the normal X login screen instead of firstboot. I had to kick it a few times to get the right mode because the X root window was misdimensioned as 1600x1050. (My recollection was that FC1 brought up a usable X11 config, minus the 1600x1024 mode, which I had to install by hand).

To get firstboot to finish its business, I eventually discovered that I had to "rm /etc/sysconfig/firstboot". Fine.

When I brought back my home directory from the old HDD, I was missing the sawfish window manager. No problem, run metacity and go back to the CDs. Oops, there was no /dev/hdc anymore, only /dev/hda and /dev/hdd. The IDE probe correctly saw the optical drive (and the installer wanted to upgrade the FC1 partition, for goodness' sake):

```
ide0: BM-DMA at 0xf000-0xf007, BIOS settings: hda:DMA, hdb:prio
ide1: BM-DMA at 0xf008-0xf00f, BIOS settings: hdc:DMA, hdd:DMA
```

But nothing for hdc shows up under /proc/ide. Curses. Attempting

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to mount /dev/hdc gets the infamous "not a valid block device" error. ide-scsi is deprecated, attempting to put "hdc=ide-cdrom" into the kernel boot args does nothing. After Googling and poking at this for a while (and missing a MythTV recording scheduled overnight) I decide to remove the old HDD. Voila, /dev/hdc reappears and I'm back in business:

hdc: SONY DVD RW DRU-510A, ATAPI CD/DVD-ROM drive

OK, install sawfish and its prereqs. The old HDD goes into a USB 2.0 enclosure. Oops, have to re jumper it as IDE master in order to make it visible. Copying old videos to the new drive appears to move about 13 MB/s.

Hope this account helps someone...

Romain Kang Disclaimer: I speak for myself alone,
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