

Dual Boot Fedora Core 2 and Win2k: Disk Read Error

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Welcome to my Linux problem of the day! I've finally gotten around to installing Fedora Core 2 Linux on the second hard drive of my Walmart Microtel workstation deluxe, which is configured to boot Windows 2000 off the first disk... well at least it *was* configured to boot Windows.

Starting the Windows partition from the Grub boot interface fails with the text:

```
Booting 'Windows 2000'rootnoverify (hd0,0)chainloader +1A disk read error occurred
Press Ctrl+Alt+Del to restart
```

Here are some of the config files and system details. Please feel free to offer suggestions in the comments!! :-)

Note that the Windows partition is marked active, that devices.map is correct, that grub is set to boot hd0,0 which is the same as /dev/hda1 for Windows, and that I've reinstalled grub stage 1 to the MBR with grub-install /dev/hda, but still no joy.

/boot/grub/grub.conf

```
# grub.conf generated by anaconda
#
# Note that you do not have to rerun grub after making changes to this file
# NOTICE: You have a /boot partition. This means that
# all kernel and initrd paths are relative to /boot/, eg.
# root (hd1,0)
# kernel /vmlinuz-version ro root=/dev/hdc8
# initrd /initrd-version.img
#boot=/dev/hda
default=1
timeout=10
splashimage=(hd1,0)/grub/splash.xpm.gz
title Fedora Core (2.6.5-1.358)
root (hd1,0)
kernel /vmlinuz-2.6.5-1.358 ro root=LABEL=/ rhgb quiet
initrd /initrd-2.6.5-1.358.img
title Windows 2000
rootnoverify (hd0,0)
chainloader +1
```

FDISK

```
fdisk -l
Disk /dev/hda: 20.8 GB, 20847697920 bytes
16 heads, 63 sectors/track, 40395 cylinders
Units = cylinders of 1008 * 512 = 516096 bytes
Device Boot Start End Blocks Id System
```

```

/dev/hda1 * 1 40386 20354323+ 7 HPFS/NTFS
Disk /dev/hdc: 30.0 GB, 30020272128 bytes
255 heads, 63 sectors/track, 3649 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Device Boot Start End Blocks Id System
/dev/hdc1 * 1 13 104391 83 Linux
/dev/hdc2 14 1057 8385930 83 Linux
/dev/hdc3 1058 1710 5245222+ 83 Linux
/dev/hdc4 1711 3649 15575017+ f W95 Ext'd (LBA)
/dev/hdc5 1711 1775 522081 82 Linux swap
/dev/hdc6 1776 2036 2096451 c W95 FAT32 (LBA)
/dev/hdc7 2037 2673 5116671 83 Linux
/dev/hdc8 2674 3649 7839688+ 83 Linux

```

/etc/fstab

```

LABEL=/ / ext3 defaults 1 1
LABEL=/boot /boot ext3 defaults 1 2
none /dev/pts devpts gid=5,mode=620 0 0
none /dev/shm tmpfs defaults 0 0
LABEL=/home /home ext3 defaults 1 2
LABEL=/opt /opt ext3 defaults 1 2
none /proc proc defaults 0 0
/dev/hdc6 /shared vfat user,noauto,rw 0 0
none /sys sysfs defaults 0 0
LABEL=/usr/local /usr/local ext3 defaults 1 2
/dev/hdc5 swap swap defaults 0 0
/dev/cdrom /mnt/cdrom udf,iso9660 noauto,owner,kudzu,ro 0 0
/dev/fd0 /mnt/floppy auto noauto,owner,kudzu 0 0

```

/boot/grub/devices.map

```

# this device map was generated by anaconda
(fd0) /dev/fd0
(hd0) /dev/hda
(hd1) /dev/hdc

```

```

uname -a Linux emerson 2.6.5-1.358 #1 Sat May 8 09:04:50 EDT 2004 i686 athlon i386 GNU/Linux

```