

Re: [opensuse] Grub Error 21

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2008-01/msg01863.html>

- *From:* Dave Barton <db@xxxxxxxxxx>
 - *Date:* Sat, 19 Jan 2008 08:07:05 +1100
-

----- Original Message -----

From: Chee How Chua <chuacheehow@xxxxxxxxxx>
Date: Sat 19 Jan 2008 04:01:07 EST

On Jan 18, 2008 10:26 AM, James Knott <james.knott@xxxxxxxxxx> wrote:

Check on the boot loader installation tab, to see where it's booting from.

David, can you post your /etc/grub.conf here? I'm curious as to where you installed your boot loader.

I'm guessing the complication for Dave (OP) is on the location of the boot loader?

I'm not exactly sure how GRUB works but Dave's /etc/grub.conf reads:
setup --stage2=/boot/grub/stage2 (hd0) (hd1,5)
quit

which seems like the boot loader is installed in MBR of sda but it is trying to load GRUB from sdb6? Probably YaST will show a different story. But if this is really the case, will it cause a problem to have stage1 on one disk and stage2 on another?

Mine is:
setup --stage2=/boot/grub/stage2 (hd0) (hd0,4)
quit

Quite straightforward – I installed in MBR of sda and load GRUB from sda5. All within the same disk.

OK, I believe I have tried just about every GRUB alternative option and come up blank every time. In desperation, I used "fixmbr" from the XP CD and deleted all partitions from the second drive. Started a totally clean 10.3 install and accepted the default options offered. This should be the easiest configuration for the installer to handle, but no, on first reboot I am back to Error 21 and my GRUB files now show:

/boot/grub/device.map

Re: [opensuse] Grub Error 21

```
(fd0) /dev/fd0  
(hd0) /dev/sda  
(hd1) /dev/sdb
```

```
/boot/grub/menu.lst  
# Modified by YaST2. Last modification on Sat Jan 19 06:58:41 EST 2008  
default 0  
timeout 8  
gfxmenu (hd1,1)/boot/message  
  
###Don't change this comment – YaST2 identifier: Original name: linux###  
title openSUSE 10.3  
root (hd1,1)  
kernel /boot/vmlinuz-2.6.22.5-31-default  
root=/dev/disk/by-id/scsi-SATA_ST3250824A_5ND3YLCZ-part2 vga=0x317 resume=/dev/sdb1  
splash=silent showopts  
initrd /boot/initrd-2.6.22.5-31-default  
  
###Don't change this comment – YaST2 identifier: Original name: windows###  
title Windows  
rootnoverify (hd1,1)  
chainloader (hd0,0)+1  
  
###Don't change this comment – YaST2 identifier: Original name: floppy###  
title Floppy  
rootnoverify (hd1,1)  
chainloader (fd0)+1  
  
###Don't change this comment – YaST2 identifier: Original name: failsafe###  
title Failsafe -- openSUSE 10.3  
root (hd1,1)  
kernel /boot/vmlinuz-2.6.22.5-31-default  
root=/dev/disk/by-id/scsi-SATA_ST3250824A_5ND3YLCZ-part2 vga=normal showopts ide=nodma  
apm=off acpi=off noresume nosmp noapic maxcpus=0 edd=off 3  
initrd /boot/initrd-2.6.22.5-31-default
```

```
/etc/grub.conf  
setup --stage2=/boot/grub/stage2 (hd0) (hd1,1)  
quit
```

In the past I have done numerous installs with Win on the first drive and Linux on the second and never had anything like this problem. Unfortunately, I don't have access to another machine with this configuration to check against.

Re: [opensuse] Grub Error 21

My real concern is that I was just about to set up one of my production boxes with this same configuration, but in view of this issue I must now seriously consider an alternative to openSUSE.

Regards

Dave

Attachment: signature.asc

Description: OpenPGP digital signature