

Re: Error 16: Inconsistent filesystem structure

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2007-10/msg01723.html>

- *From:* Doug Purdy <1der@xxxxxxxxxx>
 - *Date:* Sun, 14 Oct 2007 15:43:57 -0400
-

Le dim 14/10/2007 à 05:41, David Timms a écrit :

Doug Purdy wrote:

I installed Fedora 7 from Christopher Negus' Fedora 7 and Red Hat Enterprise Linux Bible book, left it a week, and then spent a few hours trying to figure it out before I let it update. After the reboot it complains of Inconsistent filesystem structure, offers two kernels and "Other" in Grub but will only boot "Other." I don't see what is inconsistent. Suggestions appreciated.

Here's what it says:

```
root (hd1,1)
Filesystem type is ext2fs, partition type is 0x83
kernel /vmlinuz-2.6.22.9-91.fc7 ro root=dev/VolGroup00/LogVol00 rhgb
quiet
```

- ? typo or missing / between = and dev ^\
- ? did you mean to be using LVM {should be type 8e}
- ? did it run out of space on /boot

Thanks for your reply Dave.

Yes, the missing "/" is a typo.

I know next to nothing about LVM and just let anaconda do whatever it preferred. My preference would be a /home partition to protect my data during future upgrades but I need to learn how to save to cd/dvd and that would be better protection.

I'm confused by your question "did it run out of space on /boot?" I don't know how it would run out of space. I believe I made my original Fedora 7 /boot partition much bigger than my FC2 /boot partition but I can't find my records and anaconda might have changed it to whatever it wanted - I believe I answered 'yes' to anaconda's question "Erase all partitions and install Fedora?" Let's let the computer tell the tale.

Re: Error 16: Inconsistent filesystem structure

Here is a copy of the output of `fdisk -l` and `fdisk /dev/sdb` with `x` then `p` commands. I used the Negus Fedora 7 book's Live cd.

```
[root@localhost ~]# fdisk -l
```

```
Disk /dev/sda: 40.0 GB, 40020664320 bytes
255 heads, 63 sectors/track, 4865 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
```

```
Device Boot Start End Blocks Id System
/dev/sda1 * 1 4864 39070048+ 7 HPFS/NTFS
```

```
Disk /dev/sdb: 200.0 GB, 200049647616 bytes
255 heads, 63 sectors/track, 24321 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
```

```
Device Boot Start End Blocks Id System
/dev/sdb1 * 1 5000 40162468+ 83 Linux
/dev/sdb2 5001 5013 104422+ 83 Linux
/dev/sdb3 5014 24321 155091510 8e Linux LVM
```

```
Disk /dev/dm-0: 4294 MB, 4294967296 bytes
255 heads, 63 sectors/track, 522 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
```

```
Disk /dev/dm-0 doesn't contain a valid partition table
```

```
Disk /dev/dm-1: 156.6 GB, 156699197440 bytes
255 heads, 63 sectors/track, 19050 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
```

```
Disk /dev/dm-1 doesn't contain a valid partition table
```

```
Disk /dev/dm-2: 2080 MB, 2080374784 bytes
255 heads, 63 sectors/track, 252 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
```

```
Disk /dev/dm-2 doesn't contain a valid partition table[root@localhost
~]# fdisk /dev/sdb
```

The number of cylinders for this disk is set to 24321.
There is nothing wrong with that, but this is larger than 1024,
and could in certain setups cause problems with:

- 1) software that runs at boot time (e.g., old versions of LILO)
- 2) booting and partitioning software from other OSs (e.g., DOS FDISK, OS/2 FDISK)

```
Command (m for help): x
```

```
Expert command (m for help): p
```


Re: Error 16: Inconsistent filesystem structure

Which disk and partition is grub installed to ?

Can you boot the cd to get into rescue mode ?

What partitions are where {fdisk -l} ?

DaveT.

It will take me a bit longer to answer the questions on grub but I can use the Negus F7 Live cd that I used to cut and paste the outputs above between the 2 computers via floppy.

Thanks again for your reply Dave. I hope these details provide interpretable clues to the problem.

One point, the computer rebooted 2x from disk without problem before the updates.

Doug

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fedora-list@xxxxxxxxxx

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