

fsck failure at boot

Source: <http://linux.derkeiler.com/Mailing-Lists/RedHat/2006-04/msg00377.html>

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We have an Altix 350 (ia64) 2-node server running RHAS 4. I just installed a fibre Qlogic HBA (QLA2310) in the controller node, which seemed to work fine. I formatted one large ext3 partition (sdb1) and was able to mount it flawlessly. Upon rebooting, however, the system hung while checking the new filesystem:

...

Checking all file systems.

```
[/sbin/fsck.ext3 (1) -- /san] fsck.ext3 -a /dev/sdb1  
/dev/sdb1:
```

```
The superblock could not be read or does not describe a correct ext2  
filesystem. If the device is valid and it really contains an ext2  
filesystem (and not swap or ufs or something else), then the superblock  
is corrupt, and you might try running e2fsck with an alternate superblock:  
e2fsck -b 8193 <device>
```

```
fsck.ext3: No such file or directory while trying to open /dev/sdb1  
[FAILED]
```

```
*** An error occurred during the file system check.  
*** Dropping you to a shell; the system will reboot  
*** when you leave the shell.
```

```
Give root password for maintenance  
(or type Control-D to continue):
```

...

Fsck'g the filesystem reports it as clean, and I'm able to mount the partition immediately:

```
(Repair filesystem) 1 # fsck.ext3 /dev/sdb1  
e2fsck 1.35 (28-Feb-2004)  
/dev/sdb1: clean, 11/61292544 files, 1949532/122554648 blocks  
(Repair filesystem) 2 # mount /san  
(Repair filesystem) 3 # df -h  
Filesystem Size Used Avail Use% Mounted on  
/dev/mapper/VolGroup00-LogVol00  
74G 7.6G 63G 11% /  
/dev/sdb1 461G 102M 437G 1% /san
```

Does anyone have any clues as to why this is happening? If I comment out the relevant line in fstab, the

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machine boots up fine. I can then manually mount the filesystem, but certainly this should not be necessary.

```
[root@altix ~]# grep san /etc/fstab  
/dev/sdb1 /san ext3 defaults 1 2
```

Thanks,

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