

## Re: fsck failure at boot

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/RedHat/2006-04/msg00395.html>

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- *From:* Herta Van den Eynde <[herta.vandeneynde@xxxxxxxxxxxxxxxx](mailto:herta.vandeneynde@xxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 22 Apr 2006 00:32:10 +0200
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Well, the relevance of SANsurfer would depend on what the problem is. When groping in the dark, it'd be one of the places I'd look for indications. But upon re-reading your initial post, I agree that chances are slim that the HBA is the root cause of your problem.

You mentioned RHAS4. Are you using a standard Red Hat kernel, or did you built your own? (Reason I ask is that I want to exclude an initial ram disk that doesn't know about your QLogic HBA.)

I'm a bit confused by the "\*\*\* An error occurred during the file system check" error message you mentioned in your first mail. I expect that to be generated by /etc/rc.d/rc.sysinit, not by fsck.ext3. (Might be a cut-n-paste to the wrong portion of the mail body?) Note that there are two locations in that script that can generate that error: once while the root filesystem is mounted read-only, and again after lvm2 initialization.

The complaint about the superblock problem can be ignored, in as far as the superblock must be correct – as is evident from the fact that you can mount the partition just fine when the system is fully booted. (Assuming that /dev/sdl1 doesn't exist, a "fsck.ext3 -a /dev/sdl1" will generate the same error.) But combined with the error "fsck.ext3: No such file or directory while trying to open /dev/sdb1", it looks like the device special filename /dev/sdb1 hasn't been created yet at the time you're trying to use it.

Do dmesg or /var/log/messages contain additional information?

Is this a system you can take down for testing? If so, could you

- edit rc.sysinit to slightly change one of the two "\*\*\* An error occurred during the file system check" error messages, to determine which of the two locations actually causes the error?
- reboot again, and when you're dropped to the shell,
- manually check whether the device special file /dev/sdb1 exists or not
- manually execute the checks in rc.sysinit prior to the error message to determine which one fails

Kind regards,

Herta

Jason Dixon wrote:

On Apr 21, 2006, at 10:48 AM, Herta Van den Eynde wrote:

Jason,

Re: fsck failure at boot

Do you still have the command (and command output) you used to create the filesystem?

```
fsck /dev/sdb  
( deleted old partition, created new partition, wrote and exited)
```

```
mkfs.ext3 /dev/sdb1
```

```
mkdir /san
```

```
mount -text3 /dev/sdb1 /san
```

Does SANsurfer report any errors?

Not using it, not really relevant that I can see. Again, the LUN works fine when mounted. The OS is simply failing to mount it from fstab during boot. (mount -a works fine afterwards)

Thanks,

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