Subject: [Q] missing ->d_delete() in shrink_dcache_for_umount()? Posted by vaverin on Tue, 31 Oct 2006 13:24:36 GMT

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David,

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Vasily Averin wrote: > Hello folks,
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- | |

- > I would like to ask you clarify me one question in the the following patch:
- > http://linux.bkbits.net:8080/linux-2.6/gnupatch@449b144ecSF1 rYskg3q-SeR2vf88zg
- > # ChangeSet
- > # 2006/06/22 15:05:57-07:00 neilb@suse.de
- > # [PATCH] Fix dcache race during umount

>

- > # If prune_dcache finds a dentry that it cannot free, it leaves it where it
- > # is (at the tail of the list) and exits, on the assumption that some other
- > # thread will be removing that dentry soon.

It looks like I've noticed yet one suspicious place in your patch. As far as I see you have removed dput(root) call in shrink_dcache_for_umount() function. However I would note that dput contains ->d_delete() call that is missing in your function:

```
if (dentry->d_op && dentry->d_op->d_delete) {
if (dentry->d_op->d_delete(dentry))
goto unhash_it;
```

I'm not sure but it seems to me some (probably out-of-tree) filesystems can do something useful in this place.

Thank you, Vasily Averin