
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,

Vasily Averin wrote:

> Hello folks,

>

> 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
