
Subject: [PATCH 2.6.19-rc3] VFS: missing unused dentry in prune_dcache()

Posted by [vaverin](#) on Fri, 27 Oct 2006 13:42:03 GMT

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Andrew,

could you please use this patch instead of
missing-unused-dentry-in-prune_dcache.patch

As far as I understand David Howells have not any objections

Thank you,
Vasily Averin

VFS: missing unused dentry in prune_dcache()

From: Vasily Averin <vvvs@sw.ru>

If we cannot delete dentry we should insert it back to the dentry_unused list.
To prevent cycle and do not blocks prune_dcache() call from
shrink_dcache_memory() we adding this dentry to head of list.

Signed-off-by: Vasily Averin <vvvs@sw.ru>

--- linux-2.6.19-rc3/fs/dcache.c.prdch 2006-10-25 16:09:19.000000000 +0400

+++ linux-2.6.19-rc3/fs/dcache.c 2006-10-26 15:14:51.000000000 +0400

@@ -478,11 +478,9 @@ static void prune_dcache(int count, stru

```
    up_read(s_umount);
}
spin_unlock(&dentry->d_lock);
- /* Cannot remove the first dentry, and it isn't appropriate
-  * to move it to the head of the list, so give up, and try
-  * later
-  */
- break;
+ /* Inserting dentry to tail of the list leads to cycle */
+ list_add(&dentry->d_lru, &dentry_unused);
+ dentry_stat.nr_unused++;
}
spin_unlock(&dcache_lock);
}
```
