
Subject: Re: [PATCH ext3/ext4] orphan list check on destroy_inode

Posted by [Andrew Morton](#) on Tue, 05 Jun 2007 01:54:20 GMT

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On Mon, 04 Jun 2007 09:18:55 +0400 Vasily Averin <vvs@sw.ru> wrote:

> Customers claims to ext3-related errors, investigation showed that ext3 orphan list has been corrupted and have the reference to non-ext3 inode. The following debug helps to understand the reasons of this issue.

```
>
> Signed-off-by: Vasily Averin <vvs@sw.ru>
>
> diff --git a/fs/ext3/super.c b/fs/ext3/super.c
> index 6e30629..46e2fa6 100644
> --- a/fs/ext3/super.c
> +++ b/fs/ext3/super.c
> @@ -459,6 +459,21 @@ static struct inode *ext3_alloc_inode(struct super_block *sb)
>
> static void ext3_destroy_inode(struct inode *inode)
> {
> + if (!list_empty(&(EXT3_I(inode)->i_orphan))) {
> + int i, imax;
> + unsigned int *p;
> +
> + p = (unsigned int *)EXT3_I(inode);
> + imax = sizeof(struct ext3_inode_info) / sizeof(unsigned int);
> + printk("Inode %p: orphan list check failed!\n", EXT3_I(inode));
> + for (i = 0; i < imax; i++) {
> + if (i && ((i % 8) == 0))
> +   printk("\n");
> +   printk("%08x ", *p++);
> + }
> + printk("\n");
> + dump_stack();
```

umm, OK, but please use the new lib/hexdump.c for this.
