
Subject: [patch 20/22] elevate write count for do_utimes()
Posted by [Cedric Le Goater](#) on Thu, 07 Jun 2007 15:25:47 GMT
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From: Dave Hansen <hansendc@us.ibm.com>

Signed-off-by: Dave Hansen <hansendc@us.ibm.com>

fs/utimes.c | 13 ++++++-----
1 file changed, 8 insertions(+), 5 deletions(-)

Index: 2.6.22-rc4-mm2-robindmount/fs/utimes.c

=====

--- 2.6.22-rc4-mm2-robindmount.orig/fs/utimes.c

+++ 2.6.22-rc4-mm2-robindmount/fs/utimes.c

@@ -2,6 +2,7 @@

#include <linux/file.h>

#include <linux/fs.h>

#include <linux/linkage.h>

+#include <linux/mount.h>

#include <linux/namei.h>

#include <linux/sched.h>

#include <linux/stat.h>

@@ -75,8 +76,8 @@ long do_utimes(int dfd, char __user *fil

inode = dentry->d_inode;

- error = -EROFS;

- if (IS_RDONLY(inode))

+ error = mnt_want_write(nd.mnt);

+ if (error)

goto dput_and_out;

/* Don't worry, the checks are done in inode_change_ok() */

@@ -84,7 +85,7 @@ long do_utimes(int dfd, char __user *fil

if (times) {

error = -EPERM;

if (IS_APPEND(inode) || IS_IMMUTABLE(inode))

- goto dput_and_out;

+ goto mnt_drop_write_and_out;

if (times[0].tv_nsec == UTIME_OMIT)

newattrs.ia_valid &= ~ATTR_ETIME;

@@ -104,15 +105,17 @@ long do_utimes(int dfd, char __user *fil

} else {

error = -EACCES;

if (IS_IMMUTABLE(inode))

- goto dput_and_out;

```

+         goto mnt_drop_write_and_out;

    if (current->fsuid != inode->i_uid &&
        (error = vfs_permission(&nd, MAY_WRITE)) != 0)
-     goto dput_and_out;
+     goto mnt_drop_write_and_out;
    }
    mutex_lock(&inode->i_mutex);
    error = notify_change(dentry, &newattrs);
    mutex_unlock(&inode->i_mutex);
+mnt_drop_write_and_out:
+ mnt_drop_write(nd.mnt);
dput_and_out:
    if (f)
        fput(f);

--

```

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