
Subject: [PATCH 06/25] kill open files traverse on remount ro
Posted by [Dave Hansen](#) on Mon, 11 Dec 2006 22:30:05 GMT
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Now that we have the sb writer count, we don't need to go looking at all of the individual open files.

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

```
lxc-dave/fs/file_table.c | 25 -----
lxc-dave/fs/super.c      | 1 -
lxc-dave/include/linux/fs.h | 2 --
3 files changed, 28 deletions(-)
```

```
diff -puN fs/file_table.c~05-24-kill-open-files-traverse-on-remount-ro fs/file_table.c
--- lxc/fs/file_table.c~05-24-kill-open-files-traverse-on-remount-ro 2006-12-11 14:22:00.000000000
-0800
+++ lxc-dave/fs/file_table.c 2006-12-11 14:22:00.000000000 -0800
@@ -293,31 +293,6 @@ void file_kill(struct file *file)
 }
 }

-int fs_may_remount_ro(struct super_block *sb)
-{
- struct list_head *p;
-
- /* Check that no files are currently opened for writing. */
- file_list_lock();
- list_for_each(p, &sb->s_files) {
- struct file *file = list_entry(p, struct file, f_u.fu_list);
- struct inode *inode = file->f_path.dentry->d_inode;
-
- /* File with pending delete? */
- if (inode->i_nlink == 0)
- goto too_bad;
-
- /* Writeable file? */
- if (S_ISREG(inode->i_mode) && (file->f_mode & FMODE_WRITE))
- goto too_bad;
- }
- file_list_unlock();
- return 1; /* Tis' cool bro. */
-too_bad:
- file_list_unlock();
- return 0;
-}
```

```

void __init files_init(unsigned long mempages)
{
    int n;
diff -puN fs/super.c~05-24-kill-open-files-traverse-on-remount-ro fs/super.c
--- lxc/fs/super.c~05-24-kill-open-files-traverse-on-remount-ro 2006-12-11 14:22:00.000000000
-0800
+++ lxc-dave/fs/super.c 2006-12-11 14:22:00.000000000 -0800
@@ -606,7 +606,6 @@ static void sb_mounts_clear_flag(struct

static int sb_remount_ro(struct super_block *sb)
{
- return fs_may_remount_ro(sb);
    spin_lock(&sb->s_mnt_writers_lock);
    if (atomic_read(&sb->s_mnt_writers) > 0) {
        spin_unlock(&sb->s_mnt_writers_lock);
diff -puN include/linux/fs.h~05-24-kill-open-files-traverse-on-remount-ro include/linux/fs.h
--- lxc/include/linux/fs.h~05-24-kill-open-files-traverse-on-remount-ro 2006-12-11
14:22:00.000000000 -0800
+++ lxc-dave/include/linux/fs.h 2006-12-11 14:22:00.000000000 -0800
@@ -1609,8 +1609,6 @@ extern const struct file_operations read
extern const struct file_operations write_fifo_fops;
extern const struct file_operations rdwr_fifo_fops;

-extern int fs_may_remount_ro(struct super_block *);
-
#ifdef CONFIG_BLOCK
/*
 * return READ, READA, or WRITE

```

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