
Subject: [PATCH 21/25] sysfs: sysfs_chmod_file handle multiple superblocks

Posted by [ebiederm](#) on Tue, 07 Aug 2007 21:32:46 GMT

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Teach sysfs_chmod_file how to handle multiple sysfs superblocks. We need to iterate over each superblock so that we give all of the appropriate filesystem modification notifications.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

fs/sysfs/file.c | 41 ++++++-----
1 files changed, 25 insertions(+), 16 deletions(-)

diff --git a/fs/sysfs/file.c b/fs/sysfs/file.c

index f954b9f..cff054f 100644

--- a/fs/sysfs/file.c

+++ b/fs/sysfs/file.c

@@ -501,7 +501,8 @@ int sysfs_update_file(struct kobject * kobj, const struct attribute * attr)
int sysfs_chmod_file(struct kobject *kobj, struct attribute *attr, mode_t mode)

{
 struct sysfs_dirent *victim_sd = NULL;
- struct dentry *victim = NULL;
+ struct super_block *sb;
+ struct dentry *victim;
 struct inode * inode;
 struct iattr newattrs;
 int rc;

@@ -512,22 +513,30 @@ int sysfs_chmod_file(struct kobject *kobj, struct attribute *attr, mode_t mode)
 goto out;

 mutex_lock(&sysfs_rename_mutex);
- victim = sysfs_get_dentry(sysfs_sb, victim_sd);
- mutex_unlock(&sysfs_rename_mutex);
- if (IS_ERR(victim)) {
- rc = PTR_ERR(victim);
- victim = NULL;
- goto out;
+ sysfs_grab_supers();
+ list_for_each_entry(sb, &sysfs_fs_type.fs_supers, s_instances) {
+ victim = sysfs_get_dentry(sb, victim_sd);
+ if (!victim)
+ continue;
+ if (IS_ERR(victim)) {
+ rc = PTR_ERR(victim);
+ victim = NULL;
+ goto out_unlock;

```

+ }
+
+ inode = victim->d_inode;
+ mutex_lock(&inode->i_mutex);
+ newattrs.ia_mode = (mode & S_IALLUGO) | (inode->i_mode & ~S_IALLUGO);
+ newattrs.ia_valid = ATTR_MODE | ATTR_CTIME;
+ rc = notify_change(victim, &newattrs);
+ mutex_unlock(&inode->i_mutex);
+
+ dput(victim);
+ }
-
- inode = victim->d_inode;
- mutex_lock(&inode->i_mutex);
- newattrs.ia_mode = (mode & S_IALLUGO) | (inode->i_mode & ~S_IALLUGO);
- newattrs.ia_valid = ATTR_MODE | ATTR_CTIME;
- rc = notify_change(victim, &newattrs);
- mutex_unlock(&inode->i_mutex);
- out:
- dput(victim);
+out_unlock:
+ sysfs_release_supers();
+ mutex_unlock(&sysfs_rename_mutex);
+out:
+ sysfs_put(victim_sd);
+ return rc;
+ }
--
1.5.1.1.181.g2de0

```

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<https://lists.linux-foundation.org/mailman/listinfo/containers>
