
Subject: [PATCH 05/11] sysfs: sysfs_chmod_file handle multiple superblocks
Posted by Benjamin Thery on Wed, 18 Jun 2008 17:08:19 GMT

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sysfs: sysfs_chmod_file handle multiple superblocks

Teach sysfs_chmod_file how to handle multiple sysfs superblocks.

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fs/sysfs/file.c | 54 ++++++-----

1 file changed, 30 insertions(+), 24 deletions(-)

Index: linux-mm/fs/sysfs/file.c

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--- linux-mm.orig/fs/sysfs/file.c

+++ linux-mm/fs/sysfs/file.c

@@ -573,7 +573,8 @@ EXPORT_SYMBOL_GPL(sysfs_add_file_to_group)

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;

@@ -584,31 +585,36 @@ int sysfs_chmod_file(struct kobject *kob

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;

- }

-

- inode = victim->d_inode;

+ sysfs_grab_supers();

+ list_for_each_entry(sb, &sysfs_fs_type.fs_supers, s_instances) {

+ victim = sysfs_get_dentry(sb, victim_sd);

+ if (victim == ERR_PTR(-EXDEV))

+ 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);
+ if (rc == 0) {
+ mutex_lock(&sysfs_mutex);
+ victim_sd->s_mode = newattrs.ia_mode;
+ mutex_unlock(&sysfs_mutex);
+ }
+ mutex_unlock(&inode->i_mutex);

- 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);
-
- if (rc == 0) {
- mutex_lock(&sysfs_mutex);
- victim_sd->s_mode = newattrs.ia_mode;
- mutex_unlock(&sysfs_mutex);
+ dput(victim);
}
-
- 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;
}

--
```

Containers mailing list
 Containers@lists.linux-foundation.org
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