
Subject: [PATCH 06/10] sysfs: sysfs_chmod_file handle multiple superblocks
Posted by [ebiederm](#) on Sat, 01 Dec 2007 09:25:44 GMT

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Teach sysfs_chmod_file how to handle multiple sysfs superblocks.

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fs/sysfs/file.c | 51 ++++++-----
1 files changed, 28 insertions(+), 23 deletions(-)

```
diff --git a/fs/sysfs/file.c b/fs/sysfs/file.c
index 8c7bba0..ade6140 100644
--- a/fs/sysfs/file.c
+++ b/fs/sysfs/file.c
@@ -558,7 +558,8 @@ 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;
@@ -569,31 +570,35 @@ 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;
- }
-
- inode = victim->d_inode;
-
- mutex_lock(&inode->i_mutex);
+ 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;
+ }

- newattrs.ia_mode = (mode & S_IALLUGO) | (inode->i_mode & ~S_IALLUGO);
- newattrs.ia_valid = ATTR_MODE | ATTR_CTIME;
- rc = notify_change(victim, &newattrs);
+ 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);

- 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;
}

-- 
1.5.3.rc6.17.g1911

```

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