
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);
+ newattr.ia_mode = (mode & S_IALLUGO) | (inode->i_mode & ~S_IALLUGO);
+ newattr.ia_valid = ATTR_MODE | ATTR_CTIME;
+ rc = notify_change(victim, &newattr);
+ mutex_unlock(&inode->i_mutex);
+
+ dput(victim);
}
-
-
- inode = victim->d_inode;
- mutex_lock(&inode->i_mutex);
- newattr.ia_mode = (mode & S_IALLUGO) | (inode->i_mode & ~S_IALLUGO);
- newattr.ia_valid = ATTR_MODE | ATTR_CTIME;
- rc = notify_change(victim, &newattr);
- 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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 Containers@lists.linux-foundation.org
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