
Subject: Re: [PATCH 21/25] sysfs: sysfs_chmod_file handle multiple superblocks
Posted by [Tejun Heo](#) on Wed, 08 Aug 2007 09:38:30 GMT
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On Tue, Aug 07, 2007 at 03:32:46PM -0600, Eric W. Biederman wrote:

```
>
> 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;
```

Hmmm... Please fix `sysfs_get_dentry()` and make it return either `NULL` or `PTR_ERR()` values. Returning both is pretty confusing. Also, it would be nice if we can use the `rename_prep` stuff for this too but it might just be a wishful thinking.

Thanks.

--

tejun

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