
Subject: Re: Re: [PATCH resend] proc: Fix proc_kill_inodes to kill dentries on all proc superblocks

Posted by [Alexey Dobriyan](#) on Thu, 01 Nov 2007 15:59:38 GMT

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On Thu, Nov 01, 2007 at 06:48:25PM +0300, Pavel Emelyanov wrote:

> Eric W. Biederman wrote:

> > It appears we overlooked support for removing generic proc files

> > when we added support for multiple proc super blocks. Handle

> > that now.

> >

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

>

> AFAIS this is just making the kill for all the super blocks

> we have.

>

> Aacked-by: Pavel Emelyanov <xemul@openvz.org>

bzzrt, this function is executed only for directories and symlinks, obviously buggy (you can't flip ->f_op on live file) and is going away after readdir/rmmod races for directories will be dealt the same way as for regular file.

> > --- a/fs/proc/generic.c

> > +++ b/fs/proc/generic.c

> > @@ -561,28 +561,32 @@ static int proc_register(struct proc_dir_entry * dir, struct proc_dir_entry * dp

> > static void proc_kill_inodes(struct proc_dir_entry *de)

> > {

> > struct list_head *p;

> > - struct super_block *sb = proc_mnt->mnt_sb;

> > + struct super_block *sb;

> >

> > /*

> > * Actually it's a partial revoke().

> > */

> > - file_list_lock();

> > - list_for_each(p, &sb->s_files) {

> > - struct file * filp = list_entry(p, struct file, f_u.fu_list);

> > - struct dentry * dentry = filp->f_path.dentry;

> > - struct inode * inode;

> > - const struct file_operations *fops;

> > -

> > - if (dentry->d_op != &proc_dentry_operations)

> > - continue;

> > - inode = dentry->d_inode;

> > - if (PDE(inode) != de)

> > - continue;

```

>> - fops = filp->f_op;
>> - filp->f_op = NULL;
>> - fops_put(fops);
>> + spin_lock(&sb_lock);
>> + list_for_each_entry(sb, &proc_fs_type.fs_supers, s_instances) {
>> + file_list_lock();
>> + list_for_each(p, &sb->s_files) {
>> + struct file * filp = list_entry(p, struct file, f_u.fu_list);
>> + struct dentry * dentry = filp->f_path.dentry;
>> + struct inode * inode;
>> + const struct file_operations *fops;
>> +
>> + if (dentry->d_op != &proc_dentry_operations)
>> + continue;
>> + inode = dentry->d_inode;
>> + if (PDE(inode) != de)
>> + continue;
>> + fops = filp->f_op;
>> + filp->f_op = NULL;
>> + fops_put(fops);
>> + }
>> + file_list_unlock();
>> }
>> - file_list_unlock();
>> + spin_unlock(&sb_lock);
>> }

```

Yup, all this bogo-revoke is going away RSN. you just kicked my lazy ass.

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