
Subject: Re: [PATCH 06/14] sysfs: Rewrite sysfs_get_dentry
Posted by [ebiederm](#) on Wed, 01 Aug 2007 17:07:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

Tejun Heo <htejun@gmail.com> writes:

> Hello, Eric.
>
> Eric W. Biederman wrote:
>> I will look a little more and see. But right now it looks like the
>> real problem with locking is that we use sysfs_mutex to lock the
>> sysfs_dirent s_children list.
>>
>> Instead it really looks like we should use i_mutex from the appropriate
>> inode. Or is there a real performance problem with forcing the directory
>> inodes in core when we modify the directories?
>
> I don't think there is any performance problem. Problems with using
> i_mutex were...
>
> * It was messy. I don't remember all the details now but IIRC symlink
> walk code was pretty complex.
>
> * And more importantly, inodes are reclaimable and might or might not be
> there.

Yes. But we can always force inodes into the cache when we need them.
When I complete it I will have to show you a patch using the inode lock
for locking directory modifications. From what I can tell so far it allows
me to fix the weird lock order problems and generally simplify the locking.

Eric

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