Subject: Re: [PATCH 06/14] sysfs: Rewrite sysfs_get_dentry Posted by ebiederm on Wed, 01 Aug 2007 17:07:39 GMT

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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

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