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Subject: Re: [PATCH 12/15] driver core: Implement tagged directory support for device classes.

Posted by [ebiederm](#) on Wed, 16 Jul 2008 06:32:24 GMT

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Tejun Heo <[htejun@gmail.com](mailto:htejun@gmail.com)> writes:

> It's a bit scary tho. Working inode->i\_dentry or dentry->d\_alias  
> crosses multiple sb's. sysfs isn't too greedy about dcache/icache.  
> Only open files and directories hold them and only single copy of  
> sysfs\_dirent is there for most nodes. Wouldn't it be better to stay on  
> the safer side and use separate inode hierarchy?

To do that I believe we would need to ensure sysfs does not use the inode->i\_mutex lock except to keep the VFS layer out. Allowing us to safely change the directory structure, without holding it.

You raise a good point about inode->i\_dentry and dentry->d\_alias. Generally they are used by fat like filesystems but I am starting to see uses in generic pieces of code. I don't see any problems today but yes it would be good to do the refactoring to allow us to duplicate the inodes.

Eric

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