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Subject: Re: [PATCH] Wake up mandatory locks waiter on chmod  
Posted by [Trond Myklebust](#) on Wed, 19 Sep 2007 18:16:13 GMT  
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On Wed, 2007-09-19 at 14:07 -0400, J. Bruce Fields wrote:  
> On Tue, Sep 18, 2007 at 10:36:32AM +0400, Pavel Emelyanov wrote:  
> > J. Bruce Fields wrote:  
> > > I would also prefer a locking scheme that didn't rely on the BKL. That  
> > > said, except for this race:  
> >  
> > I would as well :) But I don't know the locking code good enough to  
> > start fixing. Besides, even if I send a patch series that handles this,  
> > I don't think that anyone will accept it, due to "this changes too much  
> > code", "can you prove you fixed all the places" and so on...  
>  
> Several people have expressed interest in a locking scheme for locks.c  
> (and probably lockd) that doesn't depend on BKL, so I don't think it  
> would be ignored. But, yes, it would have to be done very carefully;  
> there have been at least one or two previous attempts that failed.

Another long-term project might be to convert the current list of locks  
into a more scalable structure: something like an rbtree might be more  
appropriate for really large numbers of locks.

Cheers  
Trond

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