
Subject: Re: [PATCH] Memory shortage can result in inconsistent flock state
Posted by [Balbir Singh](#) on Thu, 13 Sep 2007 07:16:27 GMT

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On 9/13/07, Pavel Emelyanov <xemul@openvz.org> wrote:

> J. Bruce Fields wrote:

> > On Tue, Sep 11, 2007 at 04:38:13PM +0400, Pavel Emelyanov wrote:

> >> This is a known feature that such "re-locking" is not atomic,

> >> but in the racy case the file should stay locked (although by

> >> some other process), but in this case the file will be unlocked.

> >

> > That's a little subtle (I assume you've never seen this actually

> > happen?), but it makes sense to me.

>

> Well, this situation is hard to notice since usually programs

> try to finish up when some error is returned from the kernel,

> but I do believe that this could happen in one of the openvz

> kernels since we limit the kernel memory usage for "containers"

> and thus -ENOMEM is a common error.

>

The fault injection framework should be able to introduce the same error. Of course hitting the error would require careful setup of the fault parameters.

Balbir
