

Subject: Re: [PATCH] incorrect error handling inside generic\_file\_direct\_write  
Posted by [Andrew Morton](#) on Mon, 11 Dec 2006 20:40:52 GMT  
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On Mon, 11 Dec 2006 16:34:27 +0300  
Dmitriy Monakhov <dmonakhov@openvz.org> wrote:

[illegible]

```
> + */
> + if (pos + count > isize)
> +   vmtruncate(inode, isize);
> }
>
```

XFS (at least) can call `generic_file_direct_write()` with `i_mutex` not held. And `vmtruncate()` expects `i_mutex` to be held.

I guess a suitable solution would be to push this problem back up to the callers: let them decide whether to run `vmtruncate()` and if so, to ensure that `i_mutex` is held.

The existence of `generic_file_aio_write_nolock()` makes that rather messy though.

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