Subject: Re: [PATCH] remove BUG() in possible but rare condition
Posted by Glauber Costa on Wed, 11 Apr 2012 20:51:57 GMT
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On 04/11/2012 05:26 PM, Andrew Morton wrote:
>>
>> >   failed:
>> > - BUG();
>> >   unlock_page(page);
>> >   page_cache_release(page);
>> >   return NULL;
> Cute.
>
> AFAICT what happened was that in my April 2002 rewrite of this code I
> put a non-fatal buffer_error() warning in that case to tell us that
> something bad happened.
>
> Years later we removed the temporary buffer_error() and mistakenly
> replaced that warning with a BUG(). Only it*can* happen.
>
> We can remove the BUG() and fix up callers, or we can pass retry=1 into
> alloc_page_buffers(), so grow_dev_page() "cannot fail". Immortal
> functions are a silly fiction, so we should remove the BUG() and fix up
> callers.
>
Any particular caller you are concerned with ?

As I mentioned, this function already returns NULL for other reason -
that seem even more probable than this specific failure. So whoever is
not checking this return value, is already broken without this patch as
well.