On 07/09/2007 02:14 PM, Jan Kara wrote:
>   Hi Andrew,
>
>   it seems we've accidentally lost one JBD fix (probably it was my mistake
> when rediffing some checkpointing changes) as Kirill has noted. A transaction
> can currently be released when there are still some buffers on one of its
> checkpointing lists. Attached patch should fix it (it still seems to apply
> fine). Please apply it. Thanks.
>
>   Honza
>
>
> -- -----------
>
> We have to check that also the second checkpoint list is non-empty before
> dropping the transaction.
>
> Signed-off-by: Jan Kara <jack@suse.cz>
>
> diff -rupX /home/jack/.kerndiffexclude linux-2.6.16-rc1/fs/jbd/commit.c
linux-2.6.16-rc1-1-checkpoint-fix/fs/jbd/commit.c
> --- linux-2.6.16-rc1/fs/jbd/commit.c 2006-01-15 00:20:12.000000000 +0100
> +++ linux-2.6.16-rc1-1-checkpoint-fix/fs/jbd/commit.c 2006-01-17 23:35:19.000000000 +0100
> @@ -829,7 +829,8 @@ restart_loop:
>   journal->j_committing_transaction = NULL;
>   spin_unlock(&journal->j_state_lock);
>
> - if (commit_transaction->t_checkpoint_list == NULL) {
> + if (commit_transaction->t_checkpoint_list == NULL &&
> +   commit_transaction->t_checkpoint_io_list == NULL) {
>   __journal_drop_transaction(journal, commit_transaction);
>   } else {
>   if (journal->j_checkpoint_transactions == NULL) {

Critical bugfix -- 2.6.22-stable (no earlier versions) should get
this too, right?

If so, can we get this merged into 2.6.23-rc soon?