Subject: Lost JBD fix
Posted by Jan Kara on Mon, 09 Jul 2007 18:14:43 GMT
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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
--
Jan Kara <jack@suse.cz>
SuSE CR Labs

File Attachments
1) jbd-2.6.16-rc1-2-commit_remove_trans_fix.diff, downloaded 385 times

Subject: Re: Lost JBD fix
Posted by Chuck Ebbert on Wed, 11 Jul 2007 17:55:30 GMT
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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
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> fine). Please apply it. Thanks.
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>
>
> -- ------------
>
> 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?

Subject: Re: Lost JBD fix
Posted by Jan Kara on Fri, 13 Jul 2007 17:16:59 GMT
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On Wed 11-07-07 13:55:30, Chuck Ebbert wrote:
> 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
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> > + 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?
  Yes, the bugfix is probably obvious enough to go into -stable.

        Honza
--
Jan Kara <jack@suse.cz>
SuSE CR Labs