
Subject: Re: Lost JBD fix

Posted by [Jens Axboe](#) on Thu, 12 Jul 2007 06:50:11 GMT

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On Wed, Jul 11 2007, 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
> > 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?

And don't forget that we have a jbd2/ clone as well, for the hugely
succesful ext4 project as well.

--

Jens Axboe

Subject: Re: Lost JBD fix

Posted by [Andrew Morton](#) on Thu, 12 Jul 2007 06:56:40 GMT

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On Thu, 12 Jul 2007 08:50:11 +0200 Jens Axboe <jens.axboe@oracle.com> wrote:

```
> > > - 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?
>
> And don't forget that we have a jbd2/ clone as well, for the hugely
> succesful ext4 project as well.
```

Yeah, I did that. Again.
