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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

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Jan Kara <[jack@suse.cz](mailto:jack@suse.cz)>

SuSE CR Labs

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### File Attachments

1) [jbd-2.6.16-rc1-2-commit\\_remove\\_trans\\_fix.diff](#), downloaded 212 times

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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  
> 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

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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](mailto: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?

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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:

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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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> > Honza
> >
> > -----
> >
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> >
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> > linux-2.6.16-rc1-1-checkpoint-fix/fs/jbd/commit.c
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> >   journal->j_committing_transaction = NULL;

```

```
> > spin_unlock(&journal->j_state_lock);
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> > - 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?
> Yes, the bugfix is probably obvious enough to go into -stable.
```

Honza

--

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

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