
Subject: [KERNEL COMMIT]: diff-ms-jbd-checkpoint-20050602

Posted by [dev](#) on Wed, 14 Dec 2005 08:39:21 GMT

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Committed in 022stab055

Patch from mainstream:

[PATCH] ext3: fix log_do_checkpoint() assertion failure

Fix possible false assertion failure in log_do_checkpoint(). We might fail to detect that we actually made a progress when cleaning up the checkpoint lists if we don't retry after writing something to disk. The patch was confirmed to fix observed assertion failures for several users.

When we flushed some buffers we need to retry scanning the list. Otherwise we can fail to detect our progress.

Signed-off-by: Jan Kara <jack@suse.cz>

Signed-off-by: Andrew Morton <akpm@osdl.org>

Signed-off-by: Linus Torvalds <torvalds@osdl.org>

GIT: 00ea81459c279f14a7b344320a71c94f60f88929

<http://linux.bkbits.net:8080/linux-2.6/cset@1.3104.1.1>

```
diff -Naru a/fs/jbd/checkpoint.c b/fs/jbd/checkpoint.c
--- a/fs/jbd/checkpoint.c 2005-12-14 00:35:42 -08:00
+++ b/fs/jbd/checkpoint.c 2005-12-14 00:35:42 -08:00
@@ -339,8 +339,10 @@
    }
```

```
    } while (jh != last_jh && !retry);
```

```
- if (batch_count)
+ if (batch_count) {
+     __flush_batch(journal, bhs, &batch_count);
+     retry = 1;
+ }
```

```
/*
 * If someone cleaned up this transaction while we slept, we're
# This is a BitKeeper generated diff -Nru style patch.
#
# ChangeSet
# 2005/06/02 15:12:29-07:00 jack@suse.cz
# [PATCH] ext3: fix log_do_checkpoint() assertion failure
#
# Fix possible false assertion failure in log_do_checkpoint(). We might fail
# to detect that we actually made a progress when cleaning up the checkpoint
```

```
# lists if we don't retry after writing something to disk. The patch was
# confirmed to fix observed assertion failures for several users.
#
# When we flushed some buffers we need to retry scanning the list.
# Otherwise we can fail to detect our progress.
#
# Signed-off-by: Jan Kara <jack@suse.cz>
# Signed-off-by: Andrew Morton <akpm@osdl.org>
# Signed-off-by: Linus Torvalds <torvalds@osdl.org>
#
# GIT: 00ea81459c279f14a7b344320a71c94f60f88929
#
# fs/jbd/checkpoint.c
# 2005/06/02 15:12:29-07:00 jack@suse.cz +3 -1
#
# http://linux.bkbits.net:8080/linux-2.6/cset@1.3104.1.1
```

File Attachments

1) [diff-ms-jbd-checkpoint-20050602](#), downloaded 559 times
