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
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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 744 times