Subject: [PATCH] ext3: small fix for previous retries patch in ext3_prepare_write()
Posted by Kirill Korotaev on Tue, 28 Nov 2006 16:20:51 GMT
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Patch from Dmitry Monakhov:
Previous fix for retries in ext3_prepare_write() violation
was a bit errorneuos:
- it missed return of error code from ext3_journal_stop()
- it missed do_journal_get_write_access() before commit_write

a few comments added also.

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```
diff --git a/fs/ext3/inode.c b/fs/ext3/inode.c
index a48ada9..1acb528 100644
--- a/fs/ext3/inode.c
+++ b/fs/ext3/inode.c
@@ -1162,13 +1162,14 @@ static int ext3_prepare_failure(struct f
  struct buffer_head *bh, *head, *next;
  unsigned block_start, block_end;
  unsigned blocksize;
+ int ret;
+ handle_t *handle = ext3_journal_current_handle();

  mapping = page->mapping;
  if (ext3_should_writeback_data(mapping->host)) {
   /* optimization: no constraints about data */
 skip:
-  ext3_journal_stop(ext3_journal_current_handle());
-  return 0;
+  return ext3_journal_stop(handle);
  }

  head = page_buffers(page);
@@ -1186,7 +1187,19 @@ skip:
    break;
   }
   if (!buffer_mapped(bh))
+  /* prepare_write failed on this bh */
    break;
+  if (ext3_should_journal_data(mapping->host)) {
+   ret = do_journal_get_write_access(handle, bh);
+   if (ret) {
+    ext3_journal_stop(handle);
+    return ret;
```

```
+   }
+  }
+ /*
+  * block_start here becomes the first block where the current iteration
+  * of prepare_write failed.
+  */
  }
  if (block_start <= from)
   goto skip;
```