

[PATCH 3/3] vprintk for ext3 errors

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-07/6333.html>

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To: linux-kernel <linux-kernel@vger.kernel.org>, Andrew Morton <akpm@osdl.org>

Kill error_buf madness in ext3

Signed-off-by: Matt Mackall <mpm@selenic.com>

tiny-mpm/fs/ext3/super.c | 53 ++++++-----
1 files changed, 25 insertions(+), 28 deletions(-)

```
diff -puN fs/ext3/super.c~kill-ext3-error-buff fs/ext3/super.c
--- tiny/fs/ext3/super.c~kill-ext3-error-buff 2004-03-20 12:14:48.000000000 -0600
+++ tiny-mpm/fs/ext3/super.c 2004-03-20 12:14:48.000000000 -0600
@@ -115,8 +115,6 @@ void ext3_journal_abort_handle(const cha
     handle->h_err = err;
 }

-static char error_buf[1024];
-
/* Deal with the reporting of failure conditions on a filesystem such as
 * inconsistencies detected or read IO failures.
 *
@@ -163,12 +161,11 @@ void ext3_error (struct super_block * sb
{
    va_list args;

- va_start (args, fmt);
- vsprintf (error_buf, fmt, args);
- va_end (args);
-
- printk (KERN_CRIT "EXT3-fs error (device %s): %s: %s\n",
- sb->s_id, function, error_buf);
+ va_start(args, fmt);
+ printk(KERN_CRIT "EXT3-fs error (device %s): %s: ",sb->s_id, function);
+ vprintk(fmt, args);
+ printk("\n");
+ va_end(args);

    ext3_handle_error(sb);
}
```

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```

@@ -237,21 +234,19 @@ void ext3_abort (struct super_block * sb

    printk (KERN_CRIT "ext3_abort called.\n");

- va_start (args, fmt);
- vsprintf (error_buf, fmt, args);
- va_end (args);
-
- if (test_opt (sb, ERRORS_PANIC))
- panic ("EXT3-fs panic (device %s): %s: %s\n",
- sb->s_id, function, error_buf);
+ va_start(args, fmt);
+ printk(KERN_CRIT "EXT3-fs error (device %s): %s: ",sb->s_id, function);
+ vprintk(fmt, args);
+ printk("\n");
+ va_end(args);

- printk (KERN_CRIT "EXT3-fs abort (device %s): %s: %s\n",
- sb->s_id, function, error_buf);
+ if (test_opt(sb, ERRORS_PANIC))
+ panic("EXT3-fs panic from previous error\n");

    if (sb->s_flags & MS_RDONLY)
        return;

- printk (KERN_CRIT "Remounting filesystem read-only\n");
+ printk(KERN_CRIT "Remounting filesystem read-only\n");
    EXT3_SB(sb)->s_mount_state |= EXT3_ERROR_FS;
    sb->s_flags |= MS_RDONLY;
    EXT3_SB(sb)->s_mount_opt |= EXT3_MOUNT_ABORT;
@@ -269,15 +264,16 @@ NORET_TYPE void ext3_panic (struct super
{
    va_list args;

- va_start (args, fmt);
- vsprintf (error_buf, fmt, args);
- va_end (args);
+ va_start(args, fmt);
+ printk(KERN_CRIT "EXT3-fs error (device %s): %s: ",sb->s_id, function);
+ vprintk(fmt, args);
+ printk("\n");
+ va_end(args);

    /* this is to prevent panic from syncing this filesystem */
    /* AKPM: is this sufficient? */
    sb->s_flags |= MS_RDONLY;
- panic ("EXT3-fs panic (device %s): %s: %s\n",
- sb->s_id, function, error_buf);
+ panic ("EXT3-fs panic forced\n");
}

```

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```
void ext3_warning (struct super_block * sb, const char * function,
@@ -285,11 +281,12 @@ void ext3_warning (struct super_block *
{
    va_list args;

- va_start (args, fmt);
- vsprintf (error_buf, fmt, args);
- va_end (args);
- printk (KERN_WARNING "EXT3-fs warning (device %s): %s: %s\n",
- sb->s_id, function, error_buf);
+ va_start(args, fmt);
+ printk(KERN_WARNING "EXT3-fs warning (device %s): %s: ",
+ sb->s_id, function);
+ vprintk(fmt, args);
+ printk("\n");
+ va_end(args);
}
```

```
void ext3_update_dynamic_rev(struct super_block *sb)
```

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Mathematics is the supreme nostalgia of our time.

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