
Subject: Re: [PATCH] ext3: fix ext3_fill_super group description initialization
Posted by [Mariusz Kozlowski](#) on Mon, 13 Aug 2007 13:19:38 GMT
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```
> ->s_group_desc have to be zero filled because if sb_read() failed
> we jump to following error path.
> failed_mount2:
> for (i = 0; i < db_count; i++)
>   brelse(sbi->s_group_desc[i]);<< Bad things may happen here
>
> Signed-off-by: Dmitry Monakhov <dmonakhov@openvz.org>
> ---
> fs/ext3/super.c | 2 +-
> fs/ext4/super.c | 2 +-
> 2 files changed, 2 insertions(+), 2 deletions(-)
>
> diff --git a/fs/ext3/super.c b/fs/ext3/super.c
> index f8ac18f..208738e 100644
> --- a/fs/ext3/super.c
> +++ b/fs/ext3/super.c
> @@ -1718,7 +1718,7 @@ static int ext3_fill_super (struct super_block *sb,
> void *data, int silent) / EXT3_BLOCKS_PER_GROUP(sb)) + 1;
>   db_count = (sbi->s_groups_count + EXT3_DESC_PER_BLOCK(sb) - 1) /
>     EXT3_DESC_PER_BLOCK(sb);
> - sbi->s_group_desc = kmalloc(db_count * sizeof (struct buffer_head *),
> + sbi->s_group_desc = kzalloc(db_count * sizeof (struct buffer_head *),
>   GFP_KERNEL);
```

kcalloc?

```
> if (sbi->s_group_desc == NULL) {
>   printk (KERN_ERR "EXT3-fs: not enough memory\n");
> diff --git a/fs/ext4/super.c b/fs/ext4/super.c
> index 8f1d2f6..fefffc0 100644
> --- a/fs/ext4/super.c
> +++ b/fs/ext4/super.c
> @@ -1830,7 +1830,7 @@ static int ext4_fill_super (struct super_block *sb,
> void *data, int silent) sbi->s_groups_count = blocks_count;
>   db_count = (sbi->s_groups_count + EXT4_DESC_PER_BLOCK(sb) - 1) /
>     EXT4_DESC_PER_BLOCK(sb);
> - sbi->s_group_desc = kmalloc(db_count * sizeof (struct buffer_head *),
> + sbi->s_group_desc = kzalloc(db_count * sizeof (struct buffer_head *),
>   GFP_KERNEL);
```

kcalloc?

```
> if (sbi->s_group_desc == NULL) {
>   printk (KERN_ERR "EXT4-fs: not enough memory\n");
```

Regards,

Mariusz
