
Subject: Re: [PATCH] Check for error returned by kthread_create on creating journal thread

Posted by [Andrew Morton](#) on Fri, 20 Apr 2007 22:38:09 GMT

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On Mon, 16 Apr 2007 11:41:14 +0400

Pavel Emelianov <xemul@sw.ru> wrote:

```
> If the thread failed to create the subsequent wait_event
> will hang forever.
>
> This is likely to happen if kernel hits max_threads limit.
>
> Will be critical for virtualization systems that limit the
> number of tasks and kernel memory usage within the container.
>
>
> [diff-jbd-check-start-journal-thread-return-value text/plain (1.7KB)]
> --- ./fs/jbd/journal.c.jbdthreads 2007-04-16 11:17:36.000000000 +0400
> +++ ./fs/jbd/journal.c 2007-04-16 11:30:09.000000000 +0400
> @@ -211,10 +211,16 @@ end_loop:
>     return 0;
> }
>
> -static void journal_start_thread(journal_t *journal)
> +static int journal_start_thread(journal_t *journal)
> {
>     - kthread_run(kjournald, journal, "kjournald");
>     + struct task_struct *t;
>     +
>     + t = kthread_run(kjournald, journal, "kjournald");
>     + if (IS_ERR(t))
>     +     return PTR_ERR(t);
>     +
>     wait_event(journal->j_wait_done_commit, journal->j_task != 0);
>     + return 0;
> }
```

Thanks. Please don't forget those Signed-off-by:s

I assume that you runtime tested this and that the mount failed in an appropriate fashion?
