
Subject: Re: LTP syscall failures

Posted by [Alexey Dobriyan](#) on Mon, 21 May 2007 09:14:09 GMT

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On Mon, May 21, 2007 at 09:47:31AM +0200, Christian Kaiser2 wrote:

> I did some testing with the LTP Regression Test Suite
> (<http://ltp.sourceforge.net>) inside a VE the last days. When I enable all
> capabilities except "setpcap" I get one warning and three failures. When I
> run the tests native (in VE0) I get no errors. I tested it with several
> Kernels including the latest 2.6.18 and 2.6.20 from the git repository, all
> with the same results.

>
> I run the syscall test suite of ltp-20070430 as root with the command:

> `./runltp -p -q -f syscalls -l `date +%Y-%m-%d_%H-%M-%S``

>
> Failed tests: syslog12, ustat01, ustat02

>
> Output:

> syslog12
> syslog system call: read and/or clear kernel message ring
> buffer; set console_loglevel

>
> syslog12 5 FAIL : syslog() returned unexpected

> results for

> console level less than 0 ; returned 0
> (expected -1), errno 0 (expected 22)

> syslog12 6 FAIL : syslog() returned unexpected

> results for console level

> greater than 8 ; returned 0 (expected -1),
> errno 0 (expected 22)

>
> ustat0[1-2]

> ustat system call: get filesystem statistics

>
> ustat01 1 FAIL : ustat(2) failed and set the errno to

> 13

> : Permission denied

> ustat02 1 PASS : ustat(2) expected failure; Got

> errno - EINVAL :

> Invalid parameter

> ustat02 2 FAIL : ustat(2) failed to produce expected

> error; 14, errno:

> EFAULT and got 13

>
> As you can see the syslog12 and ustat02 tests fail because they return

> other error values than expected. The ustat01 test fails because of

> insufficient permissions.

>

> Is there someone out who wants to confirm or to comment why these System
> Call Tests fail?

I've reproduses ustat unexpected EACCES problem and filed report
at http://bugzilla.openvz.org/show_bug.cgi?id=584
