
Subject: LTP syscall failures

Posted by [Christian Kaiser2](#) on Mon, 21 May 2007 07:47:31 GMT

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Hi,

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?

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