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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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