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Subject: Re: LTP syscall failures

Posted by [gblond](#) on Wed, 23 May 2007 10:21:41 GMT

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- 1) Fail with ustat() is a openvz bug and it will be fixed in the near future.
- 2) Fail with syslog() is a normal behavior, but it can be modified specially for LTP.

>From: Christian Kaiser2 <CKAISER2@de.ibm.com>

>To: devel@openvz.org

>Message-ID:

><OFA30B9023.1D7CA759-ONC12572E2.0029ABDB-C12572E2.002AE3A1@de.ibm.com>

>Date: Mon, 21 May 2007 09:47:31 +0200

>Subject: [Devel] LTP syscall failures

>

>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?  
>

>Christian Kaiser

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Vitaliy Gusev

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