
Subject: Re: Testing migration: weird behaviour of process inside VPS

Posted by [whately](#) on Thu, 29 May 2008 14:17:19 GMT

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Hello,

I got the same error when migrating a CT running a task that use nanosleep. (the application is crashing after the migration)

The tested application is "vmstat 1"

Here is the trace:

```
execve("/usr/bin/vmstat", ["vmstat", "1"], [/ 20 vars *]) = 0
uname({sys="Linux", node="virtua0", ...}) = 0
brk(0) = 0x82e1000
access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory)
open("/etc/ld.so.cache", O_RDONLY) = 3
fstat64(3, {st_mode=S_IFREG|0644, st_size=8773, ...}) = 0
old_mmap(NULL, 8773, PROT_READ, MAP_PRIVATE, 3, 0) = 0xb7f6a000
close(3) = 0
open("/lib/libproc-3.2.3.so", O_RDONLY) = 3
read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0\360\1\0\0004\0\0\0 "..., 512) = 512
fstat64(3, {st_mode=S_IFREG|0755, st_size=44736, ...}) = 0
old_mmap(NULL, 67512, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0x8a3000
old_mmap(0x8ae000, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0xa000) = 0x8ae000
old_mmap(0x8af000, 18360, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x8af000
close(3) = 0
open("/lib/tls/libc.so.6", O_RDONLY) = 3
read(3, "\177ELF\1\1\1\0\0\0\0\0\0\0\3\0\3\0\1\0\0\0\320N\1\0004\0\0\0 "..., 512) = 512
fstat64(3, {st_mode=S_IFREG|0755, st_size=1521908, ...}) = 0
old_mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xb7f69000
old_mmap(NULL, 1223900, PROT_READ|PROT_EXEC, MAP_PRIVATE|MAP_DENYWRITE, 3, 0) = 0xb7a000
old_mmap(0xc9f000, 16384, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_DENYWRITE, 3, 0x124000) = 0xc9f000
old_mmap(0xca3000, 7388, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0xca3000
close(3) = 0
old_mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0xb7f68000
mprotect(0xc9f000, 8192, PROT_READ) = 0
mprotect(0x921000, 4096, PROT_READ) = 0
set_thread_area({entry_number:-1 -> 6, base_addr:0xb7f686c0, limit:1048575, seg_32bit:1, contents:0, read_exec_only:0, limit_in_pages:1, seg_not_present:0, useable:1}) = 0
munmap(0xb7f6a000, 8773) = 0
```

```

uname({sys="Linux", node="virtua0", ...}) = 0
brk(0) = 0x82e1000
brk(0x8302000) = 0x8302000
open("/etc/mtab", O_RDONLY) = 3
fstat64(3, {st_mode=S_IFREG|0444, st_size=0, ...}) = 0
mmap2(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0xb7f6c000
read(3, "simfs / simfs rw 0 0\nnone /proc "..., 4096) = 120
close(3) = 0
munmap(0xb7f6c000, 4096) = 0
open("/proc/stat", O_RDONLY) = 3
fstat64(3, {st_mode=S_IFREG|0444, st_size=0, ...}) = 0
mmap2(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0xb7f6c000
read(3, "cpu 139 0 625 754875 0 0 0 0\nncp"... , 4096) = 183
read(3, "", 4096) = 0
close(3) = 0
munmap(0xb7f6c000, 4096) = 0
ioctl(1, TIOCGWINSZ, {ws_row=43, ws_col=157, ws_xpixel=0, ws_ypixel=0}) = 0
fstat64(1, {st_mode=S_IFCHR|0620, st_rdev=makedev(136, 1), ...}) = 0
mmap2(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0xb7f6c000
write(1, "procs -----memory-----"..., 79) = 79
write(1, " r b swpd free buff cach"..., 79) = 79
open("/proc/meminfo", O_RDONLY) = 3
lseek(3, 0, SEEK_SET) = 0
read(3, "MemTotal: 2072384 kB\nMemFre"... , 1023) = 771
open("/proc/stat", O_RDONLY) = 4
read(4, "cpu 139 0 625 754875 0 0 0 0\nncp"... , 8191) = 183
open("/proc/vmstat", O_RDONLY) = 5
lseek(5, 0, SEEK_SET) = 0
read(5, "nr_active 0\nnr_inactive 0\nnr_ano"... , 1023) = 721
write(1, " 0 0 0 2061928 0 "... , 81) = 81
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 0) = 0
rt_sigaction(SIGCHLD, NULL, {SIG_DFL}, 0) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 0) = 0
nanosleep({1, 0}, {1, 0}) = 0
lseek(3, 0, SEEK_SET) = 0
read(3, "MemTotal: 2072384 kB\nMemFre"... , 1023) = 771
lseek(4, 0, SEEK_SET) = 0
read(4, "cpu 139 0 625 755075 0 0 0 0\nncp"... , 8191) = 183
lseek(5, 0, SEEK_SET) = 0
read(5, "nr_active 0\nnr_inactive 0\nnr_ano"... , 1023) = 721
write(1, " 0 0 0 2061916 0 "... , 81) = 81
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 0) = 0
rt_sigaction(SIGCHLD, NULL, {SIG_DFL}, 0) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 0) = 0
nanosleep({1, 0}, {1, 0})

```

= 0

... (same lines repeated)

```
lseek(3, 0, SEEK_SET)          = 0
read(3, "MemTotal: 2072384 kB\nMemFre"... , 1023) = 771
lseek(4, 0, SEEK_SET)          = 0
read(4, "cpu 139 0 625 755476 0 0 0 0\n"..., 8191) = 183
lseek(5, 0, SEEK_SET)          = 0
read(5, "nr_active 0\nnr_inactive 0\nnr_ano"... , 1023) = 721
write(1, " 0 0 0 2061916 0 "..., 81) = 81
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 0) = 0
rt_sigaction(SIGCHLD, NULL, {SIG_DFL}, 0) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 0) = 0
nanosleep({1, 0}, {1, 0})      = 0
lseek(3, 0, SEEK_SET)          = 0
read(3, "MemTotal: 2072384 kB\nMemFre"... , 1023) = 771
lseek(4, 0, SEEK_SET)          = 0
read(4, "cpu 139 0 625 757881 0 0 0 0\n"..., 8191) = 183
lseek(5, 0, SEEK_SET)          = 0
read(5, "nr_active 0\nnr_inactive 0\nnr_ano"... , 1023) = 721
write(1, " 0 0 0 2061916 0 "..., 81) = 81
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 0) = 0
rt_sigaction(SIGCHLD, NULL, {SIG_DFL}, 0) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 0) = 0
nanosleep({1, 0},
```

it's runned on

Linux virtua0 2.6.18-53.1.13.el5.028stab053.10 #1 SMP Tue Apr 1 14:58:47 MSD 2008 i686 i686
i386 GNU/Linux

Is there any fix for this problem already ?

thanks,
Lauro.
