
Subject: Re: Node Crashes on 64 bit owing to a single file.

Posted by [Ligesh](#) on Sat, 13 Jan 2007 17:48:02 GMT

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On Thu, Jan 11, 2007 at 07:19:52PM +0300, Kirill Korotaev wrote:

> Ligesh,

>

> >

> > -> ls -al in /vz/private/100 and /vz/private/400 shows large integer values in place of last modified time.

> > -> Once this particular vps containing the bad file is started, all applications--IN THE NODE--start segfaulting. An strace show it happening after getftime, so I think it could be related to modified time of the file.

> how did you strace it if you say that *ALL* applications start segfaulting?

> strace doesn't segfault?

Hehe. All _system_ applications crash. As I said, it crashes somewhere while reading time, here's the trace:

strace w.

```
-----
open("/proc/19241/stat", O_RDONLY) = 4
read(4, "19241 (w) R 19240 19240 14483 34"..., 1023) = 227
read(4, "w\0", 2047) = 2
close(4) = 0
getdents64(3, /* 0 entries */ , 1024) = 0
close(3) = 0
open("/etc/localtime", O_RDONLY) = 3
fstat(3, {st_mode=S_IFREG|0644, st_size=0, ...}) = 0
fstat(3, {st_mode=S_IFREG|0644, st_size=0, ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2a983ab000
read(3, "", 4096) = 0
close(3) = 0
munmap(0x2a983ab000, 4096) = 0
--- SIGSEGV (Segmentation fault) @ 0 (0) ---
+++ killed by SIGSEGV +++
Process 19241 detached
-----
```

The kernel is the latest stable 64bit one. ovzkernel-smp-2.6.9-023stab037.3.x86_64.rpm

> >

> > I will send the kernel dmesg and the strace one I am able to login back to the server.

> would be very helpfull!

Actually the dmesg doesn't contain any information. But here's the ls -al of /vz/private and /vz/root

directory. You will see that the offending vpses have their 'mtimes' shown as very large integers. They are the vpses which, when stopped, the problem goes away.

```
-----  
# ls -al /vz/private  
drwxr-xr-x 20 root root 4096 Jan 13 16:54 290  
drwxr-xr-x 20 root root 4096 Jan 13 16:55 310  
drwxr-xr-x  3 root root 4096 Jan 13 13:40 320  
drwxr-xr-x 22 root root 4096 2666130989161975770 330  
drwxr-xr-x 21 root root 4096 Feb 11  2007 340  
drwxr-xr-x 20 root root 4096 Feb 11  2007 350
```

```
[root@cluster /]# ls -al /vz/root  
total 100  
drwxr-xr-x 20 root root 4096 Jan 13 16:53 280  
drwxr-xr-x 20 root root 4096 Jan 13 16:54 290  
drwxr-xr-x 20 root root 4096 Jan 13 16:55 310  
drwxr-xr-x 22 root root 4096 2666130989161975770 330  
drwxr-xr-x 21 root root 4096 Feb 11  2007 340  
drwxr-xr-x  2 root root 4096 Jan 13 02:49 350
```