Subject: VE refuses top stop, running init :: details included
Posted by rickb on Tue, 13 Nov 2007 16:53:38 GMT
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Hi, I have seen this problem with the later 2.6.18 releases. After stopping a VE from HN vzctl interface or rebooting from within the VE, the init process refuses to exit. The only option is to kill the init process from the HN.

Quote:[root@berry ~]# vzlist 9891768
VEID NPROC STATUS IP_ADDR HOSTNAME
9891768 1 running 208.77.99.113 hostname.com

[root@berry ~]# lsof 2>/dev/null | grep 9891768
init 29566 root cwd DIR 0,122 4096 49857524 /vz/root/9891768
init 29566 root rtd DIR 0,122 4096 49857524 /vz/root/9891768
init 29566 root txt REG 0,122 31216 50352681 /vz/root/9891768/sbin/init
init 29566 root mem REG 9,2 50352681 /vz/root/9891768/sbin/init (path dev=0,122)
init 29566 root mem REG 9,2 52892116 /vz/root/9891768/lib/tls/libc-2.3.4.so (path dev=0,122)
init 29566 root mem REG 9,2 50332266 /vz/root/9891768/lib/libselinux.so.1 (path dev=0,122)
init 29566 root mem REG 9,2 50332292 /vz/root/9891768/lib/libsepol.so.1 (path dev=0,122)
init 29566 root mem REG 9,2 50332296 /vz/root/9891768/lib/ld-2.3.4.so (path dev=0,122)
init 29566 root 10u FIFO 0,122 50383645 /vz/root/9891768/dev/initctl

[root@berry ~]# strace -ff -p 29566
Process 29566 attached - interrupt to quit
select(11, [10], NULL, NULL, {4, 983000}) = 0 (Timeout)
time(NULL) = 1194972738
stat64("/dev/initctl", {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
fstat64(10, {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
stat64("/dev/initctl", {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
select(11, [10], NULL, NULL, {5, 0}) = 0 (Timeout)
time(NULL) = 1194972743
stat64("/dev/initctl", {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
fstat64(10, {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
stat64("/dev/initctl", {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
select(11, [10], NULL, NULL, {5, 0}) = 0 (Timeout)
time(NULL) = 1194972748
stat64("/dev/initctl", {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
fstat64(10, {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
stat64("/dev/initctl", {st_mode=S_IFIFO|0600, st_size=0, ...}) = 0
select(11, [10], NULL, NULL, {5, 0} <unfinished ...>
Process 29566 detached

```
[root@berry ~]#

[root@berry ~]# kill 29566
[root@berry ~]# ps ax | grep 29566
 4629 pts/1    D+     0:00 grep 29566
29566 ?        Ss     0:06 init [3]
[root@berry ~]# kill -9 29566
[root@berry ~]# ps ax | grep 29566
 4856 pts/1    S+     0:00 grep 29566
[root@berry ~]# vzlist 9891768
      VEID      NPROC STATUS  IP_ADDR         HOSTNAME
   9891768          - mounted 208.77.99.113   hostname.com
[root@berry ~]#
```

using 2.6.18 el5 release

any idears?

Rick

Subject: Re: VE refuses top stop, running init :: details included
Posted by curx on Tue, 13 Nov 2007 23:54:47 GMT
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Hi Rick,

VE OS Template ?

Subject: Re: VE refuses top stop, running init :: details included
Posted by rickb on Wed, 14 Nov 2007 07:44:24 GMT
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Hi, I know it happens on centos4, thats mostly what I run. I'll start to check each time it happens, I don't think its isolated to a VE distro.

Subject: Re: VE refuses top stop, running init :: details included
Posted by vaverin on Wed, 14 Nov 2007 08:03:19 GMT
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Hi Rick,

"vzctl stop" should send SIGTERM and then SIGKILL.
But it isn't help if you make reboot inside VE.

I'll ask my colleguas about this case.

thank you,
Vasily Averin

Subject: Re: VE refuses top stop, running init :: details included
Posted by vaverin on Wed, 14 Nov 2007 08:04:26 GMT
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kernel version is interesting too.

Subject: Re: VE refuses top stop, running init :: details included
Posted by vaverin on Wed, 14 Nov 2007 08:45:48 GMT
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Some time ago we have disabled ability to kill init inside VE (like on standalone node where init ignores all signals). Probably this ability was used inside your VE. In this case you need to change initscripts and add some command that calls sys_reboot syscall (i.e reboot or halt).
