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Subject: can't start slapd in a VE

Posted by [23max](#) on Thu, 01 Jan 2009 22:31:37 GMT

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Hi,

i'm trying to install slapd package of Debian/Lenny in an OpenVZ VE. slapd dies with message

Fatal: no entropy gathering module detected

Aborted

stracing it gives

```
brk(0x80d000)          = 0x80d000
brk(0x82e000)          = 0x82e000
access("/dev/random", R_OK) = -1 EPERM (Operation not permitted)
write(2, "Fatal: "..., 7Fatal: ) = 7
write(2, "no entropy gathering module detec"..., 37no entropy gathering module detected
) = 37
rt_sigprocmask(SIG_UNBLOCK, [ABRT], NULL, 8) = 0
tgkill(1238, 1238, SIGABRT) = 0
--- SIGABRT (Aborted) @ 0 (0) ---
+++ killed by SIGABRT +++
```

but the /dev/[u]random devices exist and deliver random data when read. Permission is set to 0666. The HN runs Debian/testing amd64 with vzctl 3.0.23, Kernel is a git checkout from linux-2.6.27-openssl. I have other 10 VEs running with apache, databases and similar, without problems. Any idea what could be wrong here?

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Subject: Re: can't start slapd in a VE

Posted by [aTan](#) on Tue, 27 Jan 2009 18:18:13 GMT

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I have the same error with svn update after upgrading to 2.6.27-aivazovsky from git a few days ago. Even after manually setting perms to 666 it doesn't work.

```
rt_sigaction(SIGPIPE, {SIG_IGN}, {SIG_IGN}, 8) = 0
brk(0x829000)          = 0x829000
brk(0x84a000)          = 0x84a000
access("/dev/random", R_OK) = -1 EPERM (Operation not permitted)
write(2, "Fatal: "..., 7Fatal: ) = 7
write(2, "no entropy gathering module detec"..., 37no entropy gathering module detected
) = 37
rt_sigprocmask(SIG_UNBLOCK, [ABRT], NULL, 8) = 0
tgkill(725, 725, SIGABRT) = 0
```

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Subject: Re: can't start slapd in a VE  
Posted by [aTan](#) on Tue, 27 Jan 2009 18:28:39 GMT  
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in HN ok:  
echo test >> /dev/random

ls -al /dev/random  
crw-rw-rw- 1 root root 1, 8 2009-01-27 19:24 /dev/random

in VE not ok:  
echo test >> /dev/random  
/dev/random: Operation not permitted

ls -al /dev/random  
crw-r--r-- 1 root root 1, 8 Jan 27 19:23 /dev/random

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Subject: Re: can't start slapd in a VE  
Posted by [hoppaz](#) on Sat, 31 Jan 2009 11:34:24 GMT  
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Is there an opened bugreport for that thing?

I've got the same problem related to TLS and exim4 with the new aivazovsky kernel.

Lars

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Subject: Re: can't start slapd in a VE  
Posted by [koct9i](#) on Sat, 31 Jan 2009 12:51:15 GMT  
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by default VE have read-only access to /dev/[u]random (see security/device\_cgroup.c:106 in source),  
it is enough for all commonly used applications.  
you can grant read-write access to specified device via vzctl --devices option.

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Subject: Re: can't start slapd in a VE  
Posted by [hoppaz](#) on Sun, 01 Feb 2009 10:55:30 GMT  
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The devices hint fixed the write problem...

DEVICES="c:1:9:rw c:1:8:rw "

```
ls -al /dev/*random
crw-rw-rw- 1 root root 1, 8 Feb 11:39 /dev/random
crw-rw-rw- 1 root root 1, 9 Feb 11:39 /dev/urandom
```

But if I try to:

```
strace certtool --generate-privkey --bits 512 >new-params
```

```
mprotect(0x7f1f33c2d000, 12288, PROT_READ) = 0
munmap(0x7f1f342c9000, 19430) = 0
brk(0) = 0x528000
brk(0x549000) = 0x549000
brk(0x56a000) = 0x56a000
access("/dev/random", R_OK) = -1 EPERM (Operation not permitted)
write(2, "Fatal: ", 7Fatal: ) = 7
write(2, "no entropy gathering module dete"..., 37no entropy gathering module detected
) = 37
rt_sigprocmask(SIG_UNBLOCK, [ABRT], NULL, = 0
gettid() = 1671
tgkill(1671, 1671, SIGABRT) = 0
--- SIGABRT (Aborted) @ 0 (0) ---
+++ killed by SIGABRT +++
Process 1671 detached
```

Is that a problem with capabilities?

Lars

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Subject: Re: can't start slapd in a VE  
Posted by [23max](#) on Sun, 01 Feb 2009 15:37:22 GMT  
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Hm. With git checkout of linux-2.6.27-ovz from last night I still have the same problem with slapd. I've set --devices as suggested.

```
open("/var/lib/ldap/DB_CONFIG", O_RDONLY) = 10
close(10) = 0
read(9, "ccess to *\n    by dn=\"cn=admi"..., 4096) = 635
read(9, ""..., 4096) = 0
read(9, ""..., 4096) = 0
close(9) = 0
munmap(0x7f40ed532000, 4096) = 0
brk(0x80d000) = 0x80d000
brk(0x82e000) = 0x82e000
access("/dev/random", R_OK) = -1 EPERM (Operation not permitted)
write(2, "Fatal: "..., 7Fatal: ) = 7
write(2, "no entropy gathering module detec"..., 37no entropy gathering module detected
) = 37
```

```
rt_sigprocmask(SIG_UNBLOCK, [ABRT], NULL, 8) = 0
tgkill(1391, 1391, SIGABRT) = 0
--- SIGABRT (Aborted) @ 0 (0) ---
+++ killed by SIGABRT +++
```

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Subject: Re: can't start slapd in a VE  
Posted by [curx](#) on Wed, 04 Feb 2009 16:39:21 GMT  
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please check git commit:

<http://git.openvz.org/?p=linux-2.6.27-openvz;a=commit;h=6786d710542ee60fa22d21e13902de81f56838eb>

Bye,  
Thorsten

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Subject: Re: can't start slapd in a VE  
Posted by [23max](#) on Wed, 04 Feb 2009 19:35:55 GMT  
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This fixes the -EPERM problem indeed. Now my slapd is working as expected. Thanks to all

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