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-openvz. I have other 10 VEs running with apache, databases and similar, without problems. Any idea what could be wrong here?

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

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

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

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.

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 1 11:39 /dev/random
crw-rw-rw- 1 root root 1, 9 Feb 1 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

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 +++
```

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

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