
Subject: samba: no entropy gathering module detected

Posted by [whity](#) on Thu, 28 Aug 2008 09:39:47 GMT

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Hello,

I have to install a samba server on a newly created VE. But if i try to start samba i get this error message in smb.log:

```
[2008/08/28 11:12:31, 0] smbd/server.c:main(948)
```

```
  smbd version 3.0.28-1.el5_2.1 started.
```

```
  Copyright Andrew Tridgell and the Samba Team 1992-2007
```

```
Fatal: no entropy gathering module detected
```

I found a forum entry back in November 2006 where the kernel was the problem.

So, i updated my kernel this morning from 2.6.18-53.1.19.el5.028stab053.14 to

2.6.18-92.1.1.el5.028stab057.2 in the hope that this fixes the problem. But it does not.

HN and VE are both fully up to date CentOS 5.2 machines.

VE:

```
samba-3.0.28-1.el5_2.1
```

```
samba-common-3.0.28-1.el5_2.1
```

HN:

```
ovzkernel-2.6.18-92.1.1.el5.028stab057.2
```

```
vzctl-lib-3.0.22-1
```

```
vzctl-3.0.22-1
```

```
vzquota-3.0.11-1
```

The HN has /dev/urandom and /dev/random, but the VE only has /dev/random. Don't know if this may is the problem. Tried to create the node manually and rebooted the VE, but did not helped either.

Any other ideas?

Thanks

Urs

Subject: Re: samba: no entropy gathering module detected

Posted by [maratrus](#) on Thu, 28 Aug 2008 10:02:35 GMT

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Hello,

Quote:

Tried to create the node manually and rebooted the VE, but did not helped either.

How did you do that?

The best way to do it is doing via vzctl:
(man vzctl : Device access management)

Could you strace "start samba" program to find out what does it complain about.
http://wiki.openvz.org/Stracing_a_program

Subject: Re: samba: no entropy gathering module detected
Posted by [whity](#) on Thu, 28 Aug 2008 10:45:50 GMT
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I've attached two straces.

"strace.out.before" contains the strace without existing /dev/random.

"strace.out.after" contains the strace with the /dev/random created over vzctl. After starting smbd the process stays hanging at 100% cpu load.

File Attachments

- 1) [strace.out.before](#), downloaded 450 times
 - 2) [strace.out.after](#), downloaded 463 times
-

Subject: Re: samba: no entropy gathering module detected
Posted by [maratrus](#) on Thu, 28 Aug 2008 13:06:17 GMT
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Hi,

try to remove urandom inside VE:

```
# rm -f /dev/urandom
```

and then create it from HN via vzctl.

Please, tell what OStemplate do you use!

Subject: Re: samba: no entropy gathering module detected
Posted by [whity](#) on Fri, 29 Aug 2008 09:40:15 GMT
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That works.

I use a OStemplate i built myself some time ago at the very beginning of my openVZ use.

Thanks
Urs

Subject: Re: samba: no entropy gathering module detected
Posted by [luisdev](#) on Mon, 22 Sep 2008 13:07:00 GMT
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I had to remove and then recreate the /dev/random device, too.

Subject: Re: samba: no entropy gathering module detected
Posted by [digidax](#) on Wed, 17 Dec 2008 07:44:01 GMT
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Same problem but fixed with additional device random

```
vzctl exec VEID /sbin/MAKEDEV urandom  
vzctl exec VEID /sbin/MAKEDEV random
```

In this template are both devices missed.
VE created based on centos-5-x86_64-default-5.2-20081210

Bug generated in Bugzilla.

best regards
Frank
