
Subject: *KNOWN ISSUE* Failed to dump VE on 028stab033 kernel

Posted by [goeldi](#) on Fri, 01 Jun 2007 15:15:19 GMT

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I tried again to vzmigrate online between 2 hn:

On both HN runs 2.6.18-ovz028stab033.1-smp

This is what happened:

```
# nice vzmigrate -r no --online -v 195.141.118.235 343
```

```
OPT:-r
```

```
OPT:--online
```

```
OPT:-v
```

```
OPT:195.141.118.235
```

```
Starting online migration of VE 343 on 195.141.118.235
```

```
OpenVZ is running...
```

```
  Loading /etc/vz/vz.conf and /etc/vz/conf/343.conf files
```

```
  Check IPs on destination node: 195.141.143.43
```

```
Preparing remote node
```

```
  Copying config file
```

```
343.conf                100% 1378    1.4KB/s   00:00
```

```
Saved parameters for VE 343
```

```
  Creating remote VE root dir
```

```
  Creating remote VE private dir
```

```
Initializing remote quota
```

```
  Quota init
```

```
vzquota : (warning) Quota file exists, it will be overwritten
```

```
  Turning remote quota on
```

```
Syncing private
```

```
Live migrating VE
```

```
  Suspending VE
```

```
Setting up checkpoint...
```

```
  suspend...
```

```
  get context...
```

```
Checkpointing completed succesfully
```

```
  Dumping VE
```

```
Setting up checkpoint...
```

```
  join context..
```

```
  dump...
```

```
Can not dump VE: Invalid argument
```

```
iptables-save exited with 16180
```

```
Checkpointing failed
```

```
Error: Failed to dump VE
```

```
Resuming...
```

Subject: Re: Failed to dump VE
Posted by [Vasily Tarasov](#) on Mon, 04 Jun 2007 06:33:40 GMT
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Hello,

It's a known issue: on 028stab033 checkpointing is broken! It's fixed in git already with the following patch:

<http://git.openvz.org/?p=linux-2.6.18-openvz;a=commit;h=650723f83a8685111fb3dee7073454861c446193>

So, in order to use checkpointing you can:

- 1) use 031 kernel before 034 is released
- 2) compile fresh kernel from git

Sorry for inconvenience!

Vasily.

Subject: Re: Failed to dump VE
Posted by [goeldi](#) on Mon, 04 Jun 2007 07:06:53 GMT
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Thank you. Unfortunately with 031 I have a massive I/O problem

Subject: Re: Failed to dump VE
Posted by [Vasily Tarasov](#) on Mon, 04 Jun 2007 07:09:32 GMT
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Yes, it's really a bad situation... Sorry.

Subject: Re: Failed to dump VE
Posted by [hernad](#) on Wed, 06 Jun 2007 09:11:16 GMT
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I have built the newest kernel from git to fix this issue.
I am using ubuntu feisty, making packages with:

```
~/openvz/linux-2.6.18-openvz-033-b$ make-kpkg -initrd linux_image linux_headers --rootcmd  
fakeroot
```

Trying to boot new kernel, I'm getting boot error:

```
init_premount / udev 21  
cannot create /proc/sys/kernel/hotplug ... operation not permitted
```

After some time, I am getting boot prompt
(initramfs)

and message:
cannot find: /dev/mapper/Ubuntu-root

System obviously cannot find my SATA disk and LVM volumes.

I have used the same procedure and same .config to build kernel packages stable033 and stable031, and I had no problems.

Regards,
Ernad

Subject: Re: Failed to dump VE
Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 09:54:45 GMT
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Can you detect who and when does produce the message
"init_premount / udev 21
cannot create /proc/sys/kernel/hotplug ... operation not permitted"
Is it initrd? Or init already?
I can say you it if you post here the full log of kernel boot...

Thank you,
Vasily.

Subject: Re: Failed to dump VE
Posted by [hernad](#) on Wed, 06 Jun 2007 10:48:47 GMT
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It is initrd script.

Here is the script:

```
hernad@desk-h8:~/openvz/temp$ gzip -dc /boot/initrd.img-2.6.18-033-b | cpio -id  
22897 blocks
```

```
hernad@desk-h8:~/openvz/temp$ cat scripts/init-premount/udev  
#!/bin/sh -e  
# initramfs premount script for udev
```

```
PREREQ=""
```

```
# Output pre-requisites
prereqs()
{
    echo "$PREREQ"
}
```

```
case "$1" in
    prereqs)
        prereqs
        exit 0
    ;;
esac
```

```
# It's all over netlink now
echo "" > /proc/sys/kernel/hotplug <<<< LINE 21
```

```
# Start the udev daemon to process events
/sbin/udev --daemon
```

```
# Iterate sysfs and fire off everything; if we include a rule for it then
# it'll get handled; otherwise it'll get handled later when we do this again
# in the main boot sequence.
/sbin/udevtrigger
```

I have checked, there is no difference between initrd.img of this 033-HEAD, stab033 i stab031 kernel.

I don't know how to provide you log of initrd process.
System cannot access root file system (/dev/mapper/Ubuntu-root).

Thank you.

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)
Posted by [curx](#) on Wed, 06 Jun 2007 10:54:50 GMT
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Hi,

it's a known issue, please check:
http://bugzilla.openvz.org/show_bug.cgi?id=604

Subject: Re: Failed to dump VE

Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 10:59:18 GMT

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Ouch!... Now I get the problem. The following patch from git:

[http://git.openvz.org/?p=linux-2.6.18-openvz;a=commitdiff;h=](http://git.openvz.org/?p=linux-2.6.18-openvz;a=commitdiff;h=438dfab37c427b0ec6e35cc4898f240c84367c57)

[438dfab37c427b0ec6e35cc4898f240c84367c57](http://git.openvz.org/?p=linux-2.6.18-openvz;a=commitdiff;h=438dfab37c427b0ec6e35cc4898f240c84367c57)

breaks the kernel: nobody can't write to /proc! It's already fixed:

http://bugzilla.openvz.org/show_bug.cgi?id=604. Please, get the patch from the bug report and compile the kernel with it.

Sorry for inconvenience,
Vasily

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)

Posted by [hernad](#) on Wed, 06 Jun 2007 11:06:03 GMT

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Hm, It seems this patch is already applied to my source ?!

```
hernad@desk-h8:~/openvz/linux-2.6.18-openvz-033-b$ patch -p1 < 1.patch
```

```
patching file fs/proc/generic.c
```

```
Reversed (or previously applied) patch detected! Assume -R? [n]
```

I am using kernel master branch from git, last updated this morning:

```
hernad@desk-h8:~/openvz/git/linux-2.6.18-openvz$ git show-branch
```

```
[master] syslog: fix LTP failure in case of wrong args
```

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)

Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 11:12:51 GMT

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I just attached to the bug report the right patch, that should be applicable to your kernel.

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)

Posted by [hernad](#) on Thu, 07 Jun 2007 08:20:38 GMT

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Thank you Vasily,

with this patch, boot problem is resolved.

But checkpointing still doesn't work ?!

```
root@desk-h8:~# vzctl chkpnt 999 --dump --dumpfile /vz/999_dump
Setting up checkpoint...
  join context..
  dump...
Can not dump VE: Invalid argument
iptables-save exited with 255
```

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)
Posted by [hernad](#) on Thu, 07 Jun 2007 08:21:50 GMT
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I reverted to stab031 kernel, and migration finally works.

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)
Posted by [Vasily Tarasov](#) on Thu, 07 Jun 2007 08:48:05 GMT
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Ahhhh... Sorry, I noted that current git doesn't content required patch... Please, wait till 034 kernel, it'll be very soon.

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)
Posted by [hernad](#) on Thu, 07 Jun 2007 09:10:40 GMT
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No problem

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)
Posted by [hernad](#) on Fri, 08 Jun 2007 15:34:08 GMT
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I have not success with live migration with stab035 from git.

vzctl reported the sam problem as with stab033.

Maybe I should get the new vzctl ?

Regards,
Ernad

File Attachments

1) [error_stab035.txt](#), downloaded 314 times

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)

Posted by [hernad](#) on Fri, 15 Jun 2007 08:36:49 GMT

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2.6.18-stab036 kernel, problem remains

..

Can not dump VE: Invalid argument
iptables-save exited with 255

...

Subject: Re: /proc entries can't be modified ! (was: Failed to dump VE)

Posted by [hernad](#) on Fri, 15 Jun 2007 08:45:06 GMT

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http://bugzilla.openvz.org/show_bug.cgi?id=621
