
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=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 335 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
