Subject: *KNOWN ISSUE* Problems with online migration on 031 kernel
Posted by draga on Tue, 10 Jul 2007 12:48:02 GMT
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Hello everybody. Thanks to this forum's people I could successfully migrate my Via EPIA server into a wonderful VPS. It works like a charm and I'm able to offline migrate it between my desktop (amd64) and my laptop (i386) in few minutes.
Now I'll put back a small OpenVZ minimal system on the Epia, ready to be pushed back.
I have one problem with online migration... here's the result:

```
root@desktop:~# vzmigrate -r no --keep-dst --online -v 192.168.5.146 2000
OPT:-r
OPT:--keep-dst
OPT:--online
OPT:-v
OPT:192.168.5.146
Starting online migration of VE 2000 on 192.168.5.146
OpenVZ is running...
   Loading /etc/vz/vz.conf and /etc/vz/conf/2000.conf files
   Check IPs on destination node: 192.168.200.101
Preparing remote node
   Copying config file
2000.conf                                     100% 2043     2.0KB/s   00:00
Saved parameters for VE 2000
Warning: too large value for VMGUARPAGES=9223372036854775807:9223372036854775807
was truncated
Warning: too large value for OOMGUARPAGES=6144:9223372036854775807 was truncated
Warning: too large value for PRIVVMPAGES=9223372036854775807:9223372036854775807
was truncated
Warning: too large value for PHYSPAGES=0:9223372036854775807 was truncated
   Creating remote VE root dir
   Creating remote VE private dir
   VZ disk quota disabled -- skipping quota migration
Syncing private
Live migrating VE
   Suspending VE
Setting up checkpoint...
       suspend...
Can not suspend VE: Device or resource busy
file on unsupported FS: magic 0bad1dea
Checkpointing failed
Error:  Failed to suspend VE
```

-.-.-.-.-.
The warnings I think are folded to different archs (amd64 and i386) between desktop and laptop.
But...what does it happen? Why does it fail?
Google didn't help... thank you!

Subject: Re: Problems with online migration
Posted by Vasily Tarasov on Tue, 10 Jul 2007 13:50:17 GMT
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Hello,

Can you specify more precisely:

1) VE arch?
2) your notebook arch?
3) you desktop arch?
4) What migration fails: desktop->notebook or notebook->desktop?

Thanks,
Vasily.

Subject: Re: Problems with online migration
Posted by draga on Tue, 10 Jul 2007 14:23:52 GMT
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Hello, sorry for being so generic
Going to answer by points:

Vasily Tarasov wrote on Tue, 10 July 2007 09:50Hello,

Can you specify more precisely:

1) VE arch?

It's a Debian sid x86. It was running on a physical server and has been brought to a VE yesterday. It runs fine after some tweaking.

Quote:

2) your notebook arch?

It's a Ubuntu 7.04 x86. It's running a self-compiled 2.6.18-028stab031 (I could not make any VE migrate with the 035)

Quote:

3) you desktop arch?

It's a Ubuntu 7.04 amd64 machine, self compiled kernel (same version). The configuration of the VE has been done here.

Quote:

4) What migration fails: desktop->notebook or notebook->desktop?

Both of them and with the same error. Offline migration works perfectly and is quite fast.

Quote:
Thanks,
Vasily.

Thank you!

Subject: Re: Problems with online migration
Posted by Vasily Tarasov on Tue, 10 Jul 2007 15:41:10 GMT
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Thanks. Can you, please, post the output of `cat /proc/mounts`
inside this VE and on HN?

Thanks,
Vasily.

Subject: Re: Problems with online migration
Posted by draga on Tue, 10 Jul 2007 17:05:27 GMT
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Thank you!
Here's the /proc/mounts:

HN in which the VE is running (the source machine):
epia:~# cat /proc/mounts
none /sys sysfs rw,nosuid,nodev,noexec 0 0
none /proc proc rw,nosuid,nodev,noexec 0 0
udev /dev tmpfs rw 0 0
/dev/hdb3 / ext3 rw,data=ordered 0 0
/dev/hdb3 /dev/.static/dev ext3 rw,data=ordered 0 0
tmpfs /lib/init/rw tmpfs rw,nosuid 0 0
usbfs /proc/bus/usb usbfs rw,nosuid,nodev,noexec 0 0

tmpfs /dev/shm tmpfs rw,nosuid,nodev 0 0
devpts /dev/pts devpts rw,nosuid,noexec 0 0
/var/lib/vz/private/2000 /var/lib/vz/root/2000 simfs rw 0 0
tmpfs /var/lib/vz/root/2000/lib/init/rw tmpfs rw,nosuid 0 0
proc /var/lib/vz/root/2000/proc proc rw,nosuid,nodev,noexec 0 0
sysfs /var/lib/vz/root/2000/sys sysfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lib/vz/root/2000/dev/shm tmpfs rw,nosuid,nodev 0 0
devpts /var/lib/vz/root/2000/dev/pts devpts rw,nosuid,noexec 0 0

VE's /proc/mounts:
server:~# cat /proc/mounts
simfs / simfs rw 0 0
tmpfs /lib/init/rw tmpfs rw,nosuid 0 0
proc /proc proc rw,nosuid,nodev,noexec 0 0
sysfs /sys sysfs rw,nosuid,nodev,noexec 0 0
tmpfs /dev/shm tmpfs rw,nosuid,nodev 0 0
devpts /dev/pts devpts rw,nosuid,noexec 0 0

Destination HN:
root@laptop:/# cat /proc/mounts
none /sys sysfs rw,nosuid,nodev,noexec 0 0
none /proc proc rw,nosuid,nodev,noexec 0 0
udev /dev tmpfs rw 0 0
/dev/hda2 / ext3 rw,noatime,nodiratime,data=ordered 0 0
/dev/hda2 /dev/.static/dev ext3 rw,data=ordered 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /dev/shm tmpfs rw 0 0
devpts /dev/pts devpts rw 0 0
usbfs /dev/bus/usb/.usbfs usbfs rw 0 0
udev /proc/bus/usb tmpfs rw 0 0
usbfs /proc/bus/usb/.usbfs usbfs rw 0 0
fusectl /sys/fs/fuse/connections fusectl rw 0 0
tmpfs /var/run tmpfs rw,nosuid,nodev,noexec 0 0
tmpfs /var/lock tmpfs rw,nosuid,nodev,noexec 0 0
binfmt_misc /proc/sys/fs/binfmt_misc binfmt_misc rw 0 0

Vasily Tarasov wrote on Tue, 10 July 2007 11:41Thanks. Can you, please, post the output of `cat /proc/mounts`
inside this VE and on HN?

Thanks,
Vasily.

Subject: Re: Problems with online migration
Posted by Vasily Tarasov on Wed, 11 Jul 2007 07:27:31 GMT
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Ok, now I know, what's the problem.

Look at the bug report: http://bugzilla.openvz.org/show_bug.cgi?id=552
This is your case. Your VE uses inotify and can't be checkpointed on 028stab031 kernel. Please, update till the recent kernel and try the online migration there.

You wrote, the you "could not make any VE migrate with the 035". Why? What was the output of vzmigrate?

Thanks,
Vasily.

Subject: Re: Problems with online migration
Posted by Vasily Tarasov on Wed, 11 Jul 2007 07:43:06 GMT
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And, please, open a separate thread for the problem about migrating on 035 kernel.

BTW, I added your problem to http://wiki.openvz.org/Migration_fails article.

Thanks,
Vasily.