Subject: *BUG REPORTED* Migration problem with 2.6.18-028stab035
Posted by draga on Wed, 11 Jul 2007 12:22:10 GMT
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Hello. As suggested, I've upgraded my kernels to stab035.
Now the problem with online migration is:

root@desktop:~# vzmigrate -r no --keep-dst --online -v 192.168.5.200 2000
OPT:-r
OPT:--keep-dst
OPT:--online
OPT:-v
OPT:192.168.5.200
Starting online migration of VE 2000 on 192.168.5.200
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
Warning: too large value for VMGUARPAGES=9223372036854775807:9223372036854775807 was truncated
Saved parameters for VE 2000
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...
    get context...
Checkpointing completed succesfully
  Dumping VE
Setting up checkpoint...
    join context..
    dump...
Can not dump VE: Device or resource busy
unsupported netdevice tun0
Checkpointing failed
Error: Failed to dump VE
Resuming...

-.-.-.-.-.-.

so it seems I have a different kind of problem now.
tun device has been loaded on both the HNs.
Any suggestion?

Thank you!

Subject: Re: Migration problem with 2.6.18-028stab035
Posted by Vasily Tarasov on Wed, 11 Jul 2007 12:34:12 GMT
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As I understand you're using tun device inside VE. The migration of VE with tun device is not supported at the moment. ;(

If tun device is not necessary in VE - just don't use it.
But if it is in VE deliberately... Do use tun device in VE deliberately? What for?

Thanks,
Vasily.

Subject: Re: Migration problem with 2.6.18-028stab035
Posted by draga on Wed, 11 Jul 2007 14:34:50 GMT
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Oh, that's why it fails.
I need the tun because the server acts as a openvpn server for many clients AND connects using openvpn to a router (so it's not important where the VE is, just that it can reach that router).
I think I can try to turn openvpn off, migrate and then turn it back on. But at that point perhaps it would be better to do an offline migration...do you think it will be supported in the future?

Thank you!

Vasily Tarasov wrote on Wed, 11 July 2007 14:34As I understand you're using tun device inside VE. The migration of VE with tun device is not supported at the moment. ;(

If tun device is not necessary in VE - just don't use it.
But if it is in VE deliberately... Do use tun device in VE deliberately? What for?

Thanks,
Vasily.

Subject: Re: Migration problem with 2.6.18-028stab035

Posted by draga on Wed, 11 Jul 2007 22:11:58 GMT
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Well, partially solved: the machine performs a "vzctl exec veid /etc/init.d/openvpn stop" before the dump and a "start" before resuming. It works and the machine migrates.
The problem is that all the vpn connections are truncated (that means nearly all the VE's connections) but it's better than nothing.
Even if I don't think I'll use the online migration too much for my slow channel migrations: moving 500+ MB of ram is quite slow and you can avoid any advantage. I've tried passing a "-C" to ssh and things go better but it's still rather slow while it's good in LAN (also with wireless).
But I still hope to see tun support in online migration!

Subject: Re: Migration problem with 2.6.18-028stab035
Posted by Vasily Tarasov on Thu, 12 Jul 2007 04:30:16 GMT
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Hello,

I filled the bug report http://bugzilla.openvz.org/show_bug.cgi?id=642 about the problem with tun device. It is really necessary to implement the migration of tun device!

As concerns moving 500Mb RAM... Do you really have so thick VE?
Well, ususally the dump file is not so large. You can check it by performing:

vzctl chkpnt VEID --dumpfile <file>
ls -lh <file>
Usually the most time-consuming part of migrating is syncing of private area. You can compress this data by adding "-z" option to rsync in vzmigrate script, as we already discussed...

Summary: Do you really think that the dump file is so big? (500+ Mb)

HTH,
Vasily

Subject: Re: Migration problem with 2.6.18-028stab035
Posted by draga on Thu, 12 Jul 2007 06:37:56 GMT
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Vasily Tarasov wrote on Thu, 12 July 2007 06:30Hello,

I filled the bug report http://bugzilla.openvz.org/show_bug.cgi?id=642 about the problem with tun device. It is really necessary to implement the migration of tun device!

Great! It would be wonderful. Removed the tun devices I can migrate perfectly so it's great.

Quote:

As concerns moving 500Mb RAM... Do you really have so thick VE?
Well, ususally the dump file is not so large. You can check it by performing:

vzctl chkpnt VEID --dumpfile <file>
ls -lh <file>

mmm...I'll see. I just notices it needed something like 10 minutes to be transferred via wireless (3/4 minutes using the -C option of scp so there's a gain...maybe the dump could be gzipped)

Quote:
Usually the most time-consuming part of migrating is syncing of private area. You can compress this data by adding "-z" option to rsync in vzmigrate script, as we already discussed...

Yes, I did so. The private area takes some time to migrate but the good thing is that the machine is working so it's not a problem for me.

Quote:

Summary: Do you really think that the dump file is so big? (500+ Mb)

HTH,
Vasily

I'll check the dimensions. Yes, it's a thick machine!
I'd like to move all the services to separate VEs, in time. But I'll need a long time to do it!

Thank you!

Subject: Re: Migration problem with 2.6.18-028stab035
Posted by draga on Sun, 15 Jul 2007 21:24:29 GMT
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I've been performing some tests BUT not with online migration: having to bring down/up the tun/tap devices brings more problems than rebooting the machine.
It works perfectly...really really good. Now I hope you'll implement the tun/tap live migration and I will be one of the happiest administrators of the world

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