Posted by piavlo on Wed, 17 Oct 2007 11:53:19 GMT
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 Hi, I can't migrate a VE since i have
lockd process which is seen only inside the VE itself.
If i run ps in HN i can't see this lockd process. Why?
This process is started only if mount nfs filesystem
inside the VE.
If i unmount the nfs filesystems inside VE the migration is ok
How can i make live migration to a VE with nfs mounted filesystems?

```
projsrv1#  vzmigrate --online -r no -v projsrv3 101
OPT:--online
OPT:-r
OPT:-v
OPT:projsrv3
Starting online migration of VE 101 on projsrv3
 * status:  started
   Loading /etc/vz/vz.conf and /etc/vz/conf/101.conf files
   Check IPs on destination node:
Preparing remote node
   Copying config file
101.conf                                              100% 1852    1.8KB/s   00:00
Saved parameters for VE 101
   Creating remote VE root dir
   Creating remote VE private dir
Initializing remote quota
   Quota init
   Turning remote quota on
Syncing private
Live migrating VE
   Suspending VE
Setting up checkpoint...
      suspend...
Can not suspend VE: Resource temporarily unavailable
foreign process 15638/14614(lockd) inside VE (e.g. vzctl enter or vzctl exec).
suspend is impossible now.
foreign process 15638/14614(lockd) inside VE (e.g. vzctl enter or vzctl exec).
suspend is impossible now.
foreign process 15638/14614(lockd) inside VE (e.g. vzctl enter or vzctl exec).
suspend is impossible now.
Checkpointing failed
Error:  Failed to suspend VE
```

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by Andrey Mirkin on Wed, 17 Oct 2007 13:33:54 GMT
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Hello,

Please try to mount nfs in following way:
1. mount nfs in VE0
2. bind mount it on VE start (use VEID.mount script for this)

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by dowdle on Wed, 17 Oct 2007 21:29:51 GMT
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I'm assuming you have nfs mounts inside of the VPS. I too have noticed that you can't do a live aka online migration of a VPS because of the lockd issue.

You CAN do an offline migration though... and that assumes you have the destination host node setup for NFS just like you had the source... but I'm assuming you do or you probably wouldn't have run into the lockd issue.

An alternative would be to go into programmer mode and alter the vzmigrate script and have it ignore the lockd error condition and keep going. I'm not sure what would happen in that case... nor have I looked at how difficult it would be to alter the vzmigrate shell script. The vzmigrate script seems to think that it should be the only one who has lockd processes and I'm not sure if that is a valid assumption or not.

Oh, that reminds me... I don't really have more than on VPS with NFS mounts on the same machine. I wonder if that is an issue or not?

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by piavlo on Thu, 18 Oct 2007 07:19:13 GMT
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Andrey Mirkin wrote on Wed, 17 October 2007 15:33Hello,

Please try to mount nfs in following way:
1. mount nfs in VE0
2. bind mount it on VE start (use VEID.mount script for this)

 Well this does not look like a good solution, since having all nfs
mounts for all VE in VE0 is not secure not. Can you explain why this is a problem to migrate the lockd process and if this will or can be fixed in future releases of OpenVZ?
And also why i can't see the lockd process in VE0?

 Thanks

Alex

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by Andrey Mirkin on Thu, 18 Oct 2007 08:21:06 GMT
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piavlo wrote on Thu, 18 October 2007 03:19Well this does not look like a good solution, since having all nfs
mounts for all VE in VE0 is not secure not. Can you explain why this is a problem to migrate the lockd process and if this will or can be fixed in future releases of OpenVZ?
And also why i can't see the lockd process in VE0?

Can you please give me an access to your node? Send credentials via PM if you can.
If you can't give me an access then please describe your configuration (post here VE config and commands you use to mount nfs inside a VE)

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by piavlo on Sun, 21 Oct 2007 07:46:27 GMT
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Andrey Mirkin wrote on Thu, 18 October 2007 10:21piavlo wrote on Thu, 18 October 2007 03:19Well this does not look like a good solution, since having all nfs
mounts for all VE in VE0 is not secure not. Can you explain why this is a problem to migrate the lockd process and if this will or can be fixed in future releases of OpenVZ?
And also why i can't see the lockd process in VE0?

Can you please give me an access to your node? Send credentials via PM if you can.
If you can't give me an access then please describe your configuration (post here VE config and commands you use to mount nfs inside a VE)

 Hi Andrey,
It looks like lockd is not the real problem
i've tried just to suspend a VE and got that nfs
filesystems is not supported.
vzctl chkpnt 102 --suspend
Setting up checkpoint...
	suspend...
Can not suspend VE: Invalid argument
unsupported fs type nfs
Checkpointing failed
So even if i mount nfs with nolock option it's not going to help.

Also i've found http://bugzilla.openvz.org/show_bug.cgi?id=616

Are you planning to work on this enhancement in the near future,
or i can just forget about it?

Thanks
Alex

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by Andrey Mirkin on Mon, 22 Oct 2007 14:19:44 GMT
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We will add support for nfs in CPT soon.
But right now I can't tell exactly what time will be needed for this.

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by piavlo on Mon, 22 Oct 2007 17:53:34 GMT
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Andrey Mirkin wrote on Mon, 22 October 2007 16:19We will add support for nfs in CPT soon.
But right now I can't tell exactly what time will be needed for this.
Thanks

Subject: Re: Can not suspend VE: Resource temporarily unavailable
Posted by piavlo on Sun, 04 Nov 2007 14:01:14 GMT
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Hi Andrey,

Andrey Mirkin wrote on Wed, 17 October 2007 15:33Hello,

Please try to mount nfs in following way:
1. mount nfs in VE0
2. bind mount it on VE start (use VEID.mount script for this)

I've mounted the nfs partition in VE0 and bind mouted it in VE
root> cat /etc/vz/conf/102.mount
#!/bin/bash

mount -n --bind /users/staff /vz/root/102/users/staff
exit ${?}

It still gives the same error:
root> vzctl chkpnt 102 --suspend
Setting up checkpoint...
    suspend...

Can not suspend VE: Invalid argument
unsupported fs type nfs
Checkpointing failed

 The nfs mount is not listed in VE0 mtab, but is listed in VE102
mtab. And is listed both on VE0 & VE102 /proc/mounts.
I've tried to remove the nfs mount from VE102 mtab but it did not
help.

 So it looks like there is no way to checkpoint or migrate a VE
which acts like an nfs client. Or should it still work with bind mounts?

 Thanks
 Alex