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Subject: Migrate from KVM to OpenVZ

Posted by [gilgameshfreedom](#) on Sun, 01 Mar 2015 16:42:39 GMT

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Hello!

I had migrated the KVM-based CentOS 7 server to OpenVZ container according this manual ([openvz.org/Physical\\_to\\_container](http://openvz.org/Physical_to_container)). I solved most of the problems in the migration process such a disabling unneeded services, removing linux capabilities from files and others. But some problems remain unsolved. For example, the firewalld service isn't working:

```
[root@redmine /]# systemctl status firewalld
firewalld.service - firewalld - dynamic firewall daemon
  Loaded: loaded (/usr/lib/systemd/system/firewalld.service; enabled)
  Active: active (running) since Sun 2015-03-01 10:35:28 EST; 57min ago
  Main PID: 115 (firewalld)
  CGroup: /system.slice/firewalld.service
```

Mar 01 10:35:28 redmine.juscom.ru systemd[1]: Started firewalld - dynamic firewall daemon.

Mar 01 10:35:28 redmine.juscom.ru firewalld[115]: 2015-03-01 10:35:28 ERROR: ebtables not usable, disabling ethernet bridge firewall.

In addition, here is a list of all the problems that appear during the boot process:

```
egrep -Ri '(fail|err|emerg|alert)' /var/log/messages
Mar  1 10:35:26 redmine systemd-sysctl: Failed to write '0' to
'/proc/sys/net/bridge/bridge-nf-call-ip6tables': Permission denied
Mar  1 10:35:26 redmine systemd-sysctl: Failed to write '0' to
'/proc/sys/net/bridge/bridge-nf-call-iptables': Permission denied
Mar  1 10:35:26 redmine systemd-sysctl: Failed to write '0' to
'/proc/sys/net/bridge/bridge-nf-call-arptables': Permission denied
Mar  1 10:35:26 redmine systemd-sysctl: Failed to write '16' to '/proc/sys/kernel/sysrq': Permission
denied
Mar  1 10:35:26 redmine systemd-sysctl: Failed to write '1' to '/proc/sys/kernel/core_uses_pid':
Permission denied
Mar  1 10:35:26 redmine systemd: systemd-sysctl.service: main process exited, code=exited,
status=1/FAILURE
Mar  1 10:35:26 redmine systemd: Failed to start Apply Kernel Variables.
Mar  1 10:35:26 redmine systemd: Unit systemd-sysctl.service entered failed state.
Mar  1 10:35:26 redmine systemd: systemd-vconsole-setup.service: main process exited,
code=exited, status=1/FAILURE
Mar 01 10:35:28 redmine.juscom.ru systemd[1]: Started firewalld - dyna
Mar  1 10:35:26 redmine systemd: Failed to start Setup Virtual Console.
Mar  1 10:35:26 redmine systemd: Unit systemd-vconsole-setup.service entered failed state.
Mar  1 10:35:27 redmine systemd-sysctl: Failed to write '0' to
```

'/proc/sys/net/bridge/bridge-nf-call-ip6tables': Permission denied  
Mar 1 10:35:27 redmine systemd-sysctl: Failed to write '0' to  
'/proc/sys/net/bridge/bridge-nf-call-iptables': Permission denied  
Mar 1 10:35:27 redmine systemd-sysctl: Failed to write '0' to  
'/proc/sys/net/bridge/bridge-nf-call-arptables': Permission denied  
Mar 1 10:35:27 redmine systemd-sysctl: Failed to write '16' to '/proc/sys/kernel/sysrq': Permission  
denied  
Mar 1 10:35:27 redmine systemd-sysctl: Failed to write '1' to '/proc/sys/kernel/core\_uses\_pid':  
Permission denied  
Mar 1 10:35:28 redmine systemd-sysctl: Failed to write '0' to  
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Mar 1 10:35:28 redmine systemd-sysctl: Failed to write '16' to '/proc/sys/kernel/sysrq': Permission  
denied  
Mar 1 10:35:28 redmine systemd-sysctl: Failed to write '1' to '/proc/sys/kernel/core\_uses\_pid':  
Permission denied  
Mar 1 10:35:28 redmine firewalld: 2015-03-01 10:35:28 ERROR: ebtables not usable, disabling  
ethernet bridge firewall.

What can I don in this situation?

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Subject: Re: Migrate from KVM to OpenVZ  
Posted by [Krejza9](#) on Mon, 02 Mar 2015 07:22:51 GMT  
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Hi, this is normal, because OpenVZ can't emulate /proc and /sys  
[openvz.org/Vzctl\\_for\\_upstream\\_kernel#Limitations](http://openvz.org/Vzctl_for_upstream_kernel#Limitations)  
I have similar problem [forum.openvz.org/index.php?t=tree&th=12799&unread=1&](http://forum.openvz.org/index.php?t=tree&th=12799&unread=1&S=c8d97b0f508d35e8985c314148106914)  
[amp;S=c8d97b0f508d35e8985c314148106914](http://forum.openvz.org/index.php?t=tree&th=12799&unread=1&S=c8d97b0f508d35e8985c314148106914)  
and no one answer for many months.  
This forum is death.

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Subject: Re: Migrate from KVM to OpenVZ  
Posted by [gilgameshfreedom](#) on Mon, 02 Mar 2015 07:42:06 GMT  
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Thanks for the reply. I have just turned off the firewalld service and have moved its rules above in  
the Host node. Besides we can to comment out all of the messages in the /lib/sysctl.d/\* directory  
in order to the sysctl errors in the message log disappeared.

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Subject: Re: Migrate from KVM to OpenVZ  
Posted by [Krejza9](#) on Mon, 02 Mar 2015 09:47:28 GMT  
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but this only hide problem not solve it

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Subject: Re: Migrate from KVM to OpenVZ  
Posted by [gilgameshfreedom](#) on Mon, 02 Mar 2015 10:02:52 GMT  
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In my case the main problem was that firewall rules weren't working because the firewalld service didn't start. As I said I had moved its rules above in the Host node and problem had solved.

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