
Subject: How to make OpenVZ kernel and KVM module coexist_

Posted by [schjeall](#) on Thu, 26 Mar 2009 10:41:12 GMT

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Hello

I was wondering if OpenVZ and KVM can coexist?

I have seen Proxmox VE and this product can run OpenVZ kernel + KVM module. Proxmox is Debian based and I don't want that - I want a CentOS based distro!

Is it simple to install KVM module under CentOS+OpenVZ kernel. Can KVM just be installed as KMOD-KVM from the repository? Or, do I need some advanced patching+kernel compilation.

If not possible, without advanced patching + kernel compilation, then I would suggest a new distro ;O)

Any idea, anybody?

Subject: Re: How to make OpenVZ kernel and KVM module coexist_

Posted by [nicolas_o](#) on Wed, 22 Apr 2009 07:41:11 GMT

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I am also trying to create OpenVZ guests and KVM guests coexist on a CentOS machine with RHEL5 kernel. This is really what fits my needs best.

So, on a fresh CentOS 5.3, x86-64 installation, I install the latest KVM (v85) like described in http://www.centos.org/modules/newbb/viewtopic.php?topic_id=19034&forum=38#threadtop

It works :

```
[root@hn1 ~]# uname -r
2.6.18-128.1.6.el5
[root@hn1 ~]# /etc/init.d/kvm start
Starting KVM: RTNETLINK answers: Network is unreachable
```

```
[root@hn1 ~]# lsmod | grep kvm
kvm_intel          86376  0
kvm                209576  1 kvm_intel
```

Now with the OpenVZ kernel the module is just not found :

```
[root@hn1 ~]# uname -r
2.6.18-92.1.18.el5.028stab060.8
[root@hn1 ~]# /etc/init.d/kvm start
Starting KVM: RTNETLINK answers: Network is unreachable
```

FATAL: Module kvm_intel not found.

So, I cannot start OpenVZ guests and KVM guests at the same time.

Is it normal or should I file a bug ? Or perhaps should I just recompile the RHEL5 kernel with extra options enabled ?

Subject: Re: How to make OpenVZ kernel and KVM module coexist_

Posted by [schjeall](#) on Thu, 07 May 2009 18:26:15 GMT

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Hello

Have you tried to install KVM while OpenVZ Kernel is booted? I think it makes sense the KVM module is not found when you are installing the module under another kernel version.

Well I was just wondering.

Subject: Re: How to make OpenVZ kernel and KVM module coexist_

Posted by [Ales](#) on Fri, 08 May 2009 03:54:00 GMT

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I was able to rebuild the lfarkas.org kmod-kvm-85 SRPM package on CentOS 5.3 under the ovzkernel-2.6.18-92.1.18.el5.028stab060.8.x86_64.

KVM kernel module seems to coexist with openvz just fine. Haven't tried without rebuilding, though.

2.6.18-92.1.18.el5.028stab060.8.x86_64

kmod-kvm 85

kvm 85

libvirt 0.6.3

virt-manager 0.7.0

qemu 0.9.1

I'm doing further tests now...

Anyone has a similar setup and can comment on stability and other possible issues?

Subject: Re: How to make OpenVZ kernel and KVM module coexist_

Posted by [schjeall](#) on Mon, 18 May 2009 08:26:54 GMT

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Hello

This is really great news and you have just made my day superduper, thanks!

Looking forward to get some free time to reproduce your steps. (Virtualization at its best!)

Subject: Re: How to make OpenVZ kernel and KVM module coexist_

Posted by [photograph](#) on Mon, 18 May 2009 20:07:39 GMT

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I was able to compile the lfarkas SRPM for kmod-kvm as well. The only issue was some missing dependencies.

I've been using it for a few days and it's been problem free so far.

Subject: Re: How to make OpenVZ kernel and KVM module coexist_

Posted by [mainframe](#) on Sat, 20 Feb 2010 23:00:48 GMT

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opennode.sourceforge.net - CentOS based bare-metal ISO installer with openvz and KVM support.
