Subject: trouble booting with FC6-64
Posted by Gregor Mosheh on Wed, 02 May 2007 01:27:51 GMT
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Hi, all.

I wrote a few days ago, to the effect that the fellow setting up our hardware was having trouble getting OpenVZ to work under FC6 on x86_64. Using the same procedure, he can use FC6 32-bit without a hitch.

He's trying to boot into the OpenVZ kernel, and it's stopping. Iit gets as far as "Input: AT Translated set 2 keyboard as /class/input/input0" which is the keyboard loading. That should be followed immediately by the root filesystem... but it's not. Just sits there.

He says that it doesn't panic, and that it's not frozen cuz a ctrl-alt-del will reset the machine. Just gets to that point and stops. Any thoughts on what could cause that or how we can try to get to the bottom of it? If necessary, I can get a hardware list.

Again, it works A-OK under FC6 32-bit, which is what makes this so mysterious.

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"Remember that no one cares if you can back up, only if you can restore."
- AMANDA

Subject: Re: trouble booting with FC6-64
Posted by Vasily Tarasov on Wed, 02 May 2007 08:49:41 GMT
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Hello,

what OpenVZ kernel version do you use?
Have you compiled the kernel by your self or you have used a rpm package?
What FC6 kernel version does boot smoothly?
Please, post /boot/grub/grub.conf file here.

Thanks,
Vasily

On Tue, 2007-05-01 at 19:27 -0600, Gregor Mosheh wrote:
> Hi, all.
>
> I wrote a few days ago, to the effect that the fellow setting up our
> hardware was having trouble getting OpenVZ to work under FC6 on x86_64.
> Using the same procedure, he can use FC6 32-bit without a hitch.
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> far as "Input: AT Translated set 2 keyboard as /class/input/input0" which
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> filesystem... but it's not. Just sits there.
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> will reset the machine. Just gets to that point and stops. Any thoughts on
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> necessary, I can get a hardware list.
>
> Again, it works A-OK under FC6 32-bit, which is what makes this so
> mysterious.
>

Subject: Re: trouble booting with FC6-64
Posted by dev on Wed, 02 May 2007 10:26:28 GMT
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You may need to press Alt-SysRq-P and Alt-SysRq-T and collect the output.
this will dump the required info about whether kernel hangs.

Thanks,
Kirill

Gregor Mosheh wrote:
> Hi, all.
>
> I wrote a few days ago, to the effect that the fellow setting up our
> hardware was having trouble getting OpenVZ to work under FC6 on x86_64.
> Using the same procedure, he can use FC6 32-bit without a hitch.
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> He's trying to boot into the OpenVZ kernel, and it's stopping. Iit gets as
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> necessary, I can get a hardware list.

>
> Again, it works A-OK under FC6 32-bit, which is what makes this so
> mysterious.
>

Subject: Re: trouble booting with FC6-64
Posted by Gregor Mosheh on Wed, 02 May 2007 15:04:19 GMT
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The latest:
During his experiments last night with CentOS, he installed the kernel and it actually frooze during boot. He then manually downloaded and installed the SMP kernel, and it worked A-OK. So, we're wondering whether "'yum install ovzkernel" was installing an inappropriate kernel for a 8-CPU machine.

Kirill Korotaev wrote:
> You may need to press Alt-SysRq-P and Alt-SysRq-T and collect the output.
> this will dump the required info about whether kernel hangs.

I'll let him know. Since I always work on remote systems, I've never even gotten to use the magic key!

Vasily Tarasov wrote:
> what OpenVZ kernel version do you use?
> Have you compiled the kernel by your self or you have used a rpm
> package?
> What FC6 kernel version does boot smoothly?

I wrote up the install procedure for 32-bit systems, but now he's trying it on a 64-bit system, so...

The troublesome one is the RPM, installed via "yum install ovzkernel" under FC6-64 Doing this same thing on 32-bit works perfectly.

Subject: Re: trouble booting with FC6-64
Posted by kir on Thu, 03 May 2007 08:59:03 GMT
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Gregor Mosheh wrote:
> The latest:
> During his experiments last night with CentOS, he installed the kernel and
> it actually frooze during boot. He then manually downloaded and installed
> the SMP kernel, and it worked A-OK. So, we're wondering whether "'yum

> install ovzkernel" was installing an inappropriate kernel for a 8-CPU
> machine.
>
Yum doesn't know anything special about the kernels (aside from the fact they should be installed, not upgraded; also some yum setups care to deinstall very old kernel packages). So it's up to the user to decide which kernel to use. I have just checked installation instructions on wiki (http://wiki.openvz.org/Quick_installation#Kernel_installatio n) and they clearly tell a user to select the proper kernel, see:

Using yum

Run the following command

yum install ovzkernel[-flavor]

Here |[-flavor]| is optional, and can be |-smp| or |-enterprise|. Refer to kernel flavors <http://wiki.openvz.org/Kernel_flavors> for more info.

Subject: Re: trouble booting with FC6-64
Posted by Gregor Mosheh on Thu, 03 May 2007 13:49:37 GMT
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Kir Kolyshkin wrote:
> Yum doesn't know anything special about the kernels
...
> So it's up to the user to decide which kernel to use.
...
> # yum install ovzkernel[-flavor]

Hey, I bet that's it. I bet he didn't specify "ovzkernel-smp"
Thanks for the tip, Kir.

--
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