Subject: Kernel Compile
Posted by johan_hammy on Tue, 31 Jan 2006 18:43:25 GMT
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Getting OpenVZ working with a 3rd party driver is getting to be a PITA. How do I just compile the OpenVZ kernel from scratch?

For OpenVZ to gain traction, adding drivers to the host OS should not be any more complicated than doing so for CentOS.

Subject: Re: Kernel Compile
Posted by kir on Tue, 31 Jan 2006 19:11:09 GMT
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I didn't quite get your question.

To recompile src.rpm, you run
rpmbuild --rebuild --target=i686 ovzkernel*.src.rpm
(if using x86_64, omit the --target option)

To recompile from sources, you need to get linux-2.6.x.tar.bz2 from kernel.org, then apply combined patch (available from kernel download page), then compile as usual.

Finally, if you have some hardware which is not supported in OpenVZ kernel, just file a bug report, specifying all the details (kernel you have used that works, openvz kernel that doesn't work, what hardware it is, lspci, lspci -n, there to take the driver etc.)

Subject: Re: Kernel Compile
Posted by johan_hammy on Tue, 31 Jan 2006 19:24:26 GMT
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Well, I rebuilt the kernel and it works once with version 51 or whatever it was. I've since upgraded to 61 and 64. I've rebuilt the kernel and re-installed countless times. I've make clean and started over on the driver. A new version of the driver was released yesterday and I still can't get it to work. Same errors as before.

So let me see what I need to do here:

rebuild the kernel source RPM
reinstall kernel
make clean driver; make; make install

Should work?

Should I not have the binary version of the kernel around? Anything else I should or should not

have?

Subject: Re: Kernel Compile
Posted by johan_hammy on Tue, 31 Jan 2006 22:03:40 GMT
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My mistake. It kept re-installing the binary version I downloaded. Once I removed that, the problems went away.

Subject: Re: Kernel Compile
Posted by johan_hammy on Wed, 01 Feb 2006 03:47:41 GMT
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Quote:It does generate a load of 1000 interrupts per second. This means that you always need CPU time. And a timely response of it.

This is coming from someone that doesn't quite understand VPS, but since the driver runs on the host OS, does the resource control from the VPS architecture have any effect on it?

Subject: Re: Kernel Compile
Posted by dev on Wed, 01 Feb 2006 11:29:36 GMT
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no, it has nothing to do with a driver.
the question is really strange.

Subject: Re: Kernel Compile
Posted by johan_hammy on Wed, 01 Feb 2006 15:52:48 GMT
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oh, sorry, I put that in response to the wrong post. I'll have to get that moved elsewhere.