Subject: custom kernel build
Posted by dbeery on Tue, 16 May 2006 14:35:44 GMT
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A diff between the following configs returns nothing:

(downloadable individually from the website)
kernel-2.6.8-022stab077-x86_64-smp.config.ovz

(included in the source RPM)
kernel-2.6.8-022stab077-x86_64-smp.config.ovz

Yet somehow when I build the custom kernel as follows the the resulting kernels are different in size than those installed by the published rpm, ovzkernel-smp-2.6.8-022stab077.1.x86_64.rpm.

Why?

Steps used to build:

rpm -ivh ovzkernel-2.6.8-022stab077.1.src.rpm
edit /usr/src/redhat/SPEC/kernel-ovz.spec

replace
%define ksubrelease 1
with
%define ksubrelease 1.custom

and finally

rpmbuild -bb kernel-ovz.spec

The spec files are identical as well.

Any help would be greatly appreciated.

Thanks,
Derrick

Subject: Re: custom kernel build
Posted by dim on Tue, 16 May 2006 14:38:07 GMT
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Probably it is due to different gcc versions.

Subject: Re: custom kernel build

Posted by dbeery on Tue, 16 May 2006 14:48:49 GMT

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Thank you for response. I was thinking that the difference in size might be a clue as to why the custom kernel will not boot.

I have made no changes to the kernel config but the custom kernel will not boot.

Subject: Re: custom kernel build
Posted by dim on Tue, 16 May 2006 14:52:54 GMT

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Did you create initrd?
kernel.rpm installation does it at post-install stage.

Subject: Re: custom kernel build
Posted by dbeery on Tue, 16 May 2006 15:19:30 GMT

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Yes, install kernel using the rpm that gets built and there is an initrd.

Subject: Re: custom kernel build
Posted by dbeery on Thu, 18 May 2006 15:39:05 GMT

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I had to use the compat gcc version 3 compiler to build a kernel that would boot from the src rpm.