Subject: Patch for vanilla kernel?
Posted by pixnion on Wed, 26 Oct 2011 17:02:02 GMT
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Hi,

Looking at download.openvz.org/kernel/ there seems to only be (up to date) patches for the RHEL kernels? Will up to date patches never be released for the vanilla kernels found at kernel.org (even if it's for old versions)?

Subject: Re: Patch for vanilla kernel?
Posted by Ales on Thu, 27 Oct 2011 14:10:18 GMT
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I can see the same type of patches for all the kernels, ie.:

patch-042stab039.5-combined.gz (latest RHEL6 testing kernel)

patch-feoktistov.1-combined.gz (latest 2.6.32 devel kernel, obsolete)

This isn't what you're looking for?

Subject: Re: Patch for vanilla kernel?
Posted by pixnion on Thu, 27 Oct 2011 19:37:40 GMT
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None of the patches that you've linked, or any other that I've found at download.openvz.org/kernel/ are possible to use for patching i.e. ftp://ftp.funet.fi/pub/Linux/kernel/v2.6/longterm/v2.6.32/li nux-2.6.32.46.tar.gz as in the vanilla long term support 2.6.32 linux kernel. I guess it won't be a problem to patch a RHEL customized linux kernel, but I'm not using RHEL or any such distribution based on RHEL.

Is OpenVZ developed only for RHEL (or CentOS/Scientific Linux etc.)?

Subject: Re: Patch for vanilla kernel?
Posted by Ales on Thu, 27 Oct 2011 21:18:31 GMT
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These patches are applicable to vanilla Linux 2.6.32 kernel (not to 2.6.32.y), available from kernel.org.

That's why you can't use them directly against 2.6.32.46...

Perhaps someone could provide a more in depth advice if you tell us which distro are you planning to use? For example, debian, gentoo and owl also have openvz kernels.

Subject: Re: Patch for vanilla kernel?
Posted by pixnion on Sat, 29 Oct 2011 13:38:32 GMT
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I use several distributions but I always use vanilla kernels.

Mainline version 2.6.32 is really really old and shouldn't be used, which means that any patches for that kernel version are thus pointless...

Subject: Re: Patch for vanilla kernel?
Posted by Ales on Sat, 29 Oct 2011 21:36:31 GMT
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Combined patches contain all the updates up to the point of their release. If you look at the release page for the latest openvz RHEL6 kernel, you'll see that the combined patch basically contains:
- all the Red Hat's patches up to 2.6.32-131.12.1
- openvz patchset.

And if you look at the last openvz vanilla (now obsolete) 2.6.32-feokistov kernel, you'll see that the combined patch contains:
- all vanilla patches up to 2.6.32.28
- openvz patchset.

OpenVZ team basically suggests using the RHEL openvz kernel at the moment, since other kernel branches aren't supported. You'll find more info about the reasons for this and the future plans here:

The "RHEL6 goes stable!" blog post.

I'm not that familiar with how Debian and Gentoo maintain their openvz kernels, you might want to look into that if you think their branches would be more suitable for your needs.

Subject: Re: Patch for vanilla kernel?
Posted by pixnion on Sun, 30 Oct 2011 10:36:46 GMT
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Thank you for this clarifying answer. This also explains why applying the patch to vanilla 2.6.32.46

outputs warnings about "reversed patching" or "already patched" or whatever it said.