Subject: OpenVZ in mainline Linux kernel?
Posted by valentt on Sun, 25 Jul 2010 11:12:06 GMT
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I don't follow OpenVZ too close, but I use it from time to time, and I think it is great technology. I also love KVM but think that is has completely different purpose and don't see why OpenVZ and KVM should both be in mainline Linux kernel.

Is there any, at least long-term, plan to get OpenVZ into Linux kernel?

Cheers,
Valent.

Subject: Re: OpenVZ in mainline Linux kernel?
Posted by glic3rinu on Tue, 27 Jul 2010 15:35:26 GMT
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Maybe this helps:

http://www.montanalinux.org/conatiners-when.html

Other related links:
http://wiki.centos.org/HowTos/Virtualization/OpenVZ
http://community.livejournal.com/openvz/19102.html
http://kerneltrap.org/node/6492
http://community.livejournal.com/openvz/30998.html?thread=97 046#t97046
http://news.cnet.com/2100-1016_3-6027219.html?tag=st.util.pr int
http://www.linuxpromagazine.com/Online/News/LinuxTag-2009-Re
source-Management-with-OpenVZ?category=13444

This is the number of patches from openvz team accepted in mainline per kernel version

http://wiki.openvz.org/w/index.php?title=File:Kernel_patches _stats.png&oldid=8276

Subject: Re: OpenVZ in mainline Linux kernel?
Posted by valentt on Tue, 27 Jul 2010 19:26:03 GMT
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Thank you for great links.

From what I read it is now much cleaner that OpenVZ isn't being blatantly ignored by kernel team as I previously thought.

So the plan is make OpenVZ not one huge blob but lots of smaller components that could be integrated into Linux kernel piece by piece, right?

Still I didn't see anybody mentioning any dates. Could it happen in next two years perhaps? 5? 10?

Subject: Re: OpenVZ in mainline Linux kernel?
Posted by glic3rinu on Tue, 27 Jul 2010 21:29:42 GMT
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Yes, the idea is to split the openvz patch in small pieces and merge them with mainstream. To understand the inclusion of openvz patches in mainline you need to know about LXC. LXC is a pretty new containers technology that only exists in mainline, is the first one that doesn't have out of tree patches. Well, LXC and OpenVZ have the same needs, isolate containers, then OpenVZ can use the LXC code and LXC use the OpenVZ merged code. Check the Kir comment posted on OpenVz blog:
http://community.livejournal.com/openvz/30998.html?thread=97 046#t97046

with what kernel version we have all stuff implemented in mainline and we don't have to use out of tree patches? nobody knows

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