Subject: *SOLVED* Kernel 2.6.20+ ?
Posted by mperkel on Sat, 16 Feb 2008 18:19:43 GMT
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So - what's happening with the 2.6.20+ kernel. Haven't seen an update on that in a long time.

Subject: Re: Kernel 2.6.20+ ?
Posted by Vasily Tarasov on Sat, 16 Feb 2008 21:57:11 GMT
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According to http://git.openvz.org/ and
http://debian.systs.org/openvz/172/debian-package-linux-patc h-openvz-2426-001-created/ 2.6.20 OpenVZ branch is frozen and will never get stable. The next stable branch will probably be based on 2.6.24.

Vasily

Subject: Re: Kernel 2.6.20+ ?
Posted by mperkel on Sat, 16 Feb 2008 21:59:50 GMT
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Kool, I wonder when we will see that?

Subject: Re: Kernel 2.6.20+ ?
Posted by kir on Sun, 17 Feb 2008 00:42:30 GMT
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You can clone/pull it from git.openvz.org right now and give it a try. Binary release will be done as soon as we will finish porting checkpointing/restart (which is in progress as you can see from the git log).

Subject: Re: Kernel 2.6.20+ ?
Posted by mperkel on Sun, 17 Feb 2008 00:45:29 GMT
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I'm going to try to wait for the official release. I guess it will be soon?

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Sun, 17 Feb 2008 16:44:10 GMT

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That would be just great to have any idea when the 2.6.24 kernel would be usable, since 2.6.18 is too outdated, and does not support modern chipsets for Intel/core CPU's. Nvidia chipset motherboard for multicore Athlon64+ works, but sometimes hangs. . Using 2.6.22 kernel is a little uncomfortable, since marked nonstable...

Subject: Re: Kernel 2.6.20+ ?
Posted by John Kelly on Sun, 17 Feb 2008 17:49:04 GMT
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2.6.24 is usable now. It works here.

Don't wait for an official release. They're often missing the latest patches.

Use git. Learn it. Love it.

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Sun, 17 Feb 2008 18:09:46 GMT
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Do you think it's relatively safe to use it in close to production environment, at least with the same stability as 2.6.22-openvz?

Subject: Re: Kernel 2.6.20+ ?
Posted by John Kelly on Sun, 17 Feb 2008 18:20:21 GMT
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Your guess is as good as mine

Subject: Re: Kernel 2.6.20+ ?
Posted by mperkel on Sun, 17 Feb 2008 22:20:51 GMT
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Give me a quich git tutoroal. Once I instal git using rpms, what do I type to get kernel source?

Subject: Re: Kernel 2.6.20+ ?
Posted by John Kelly on Sun, 17 Feb 2008 22:28:39 GMT
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See: http://git.openvz.org/

Subject: Re: Kernel 2.6.20+ ?
Posted by kir on Mon, 18 Feb 2008 06:00:21 GMT
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If something doesn't work for you with our 2.6.18 kernel (RHEL5 branch) -- please file a bug/bugs to http://bugzilla.openvz.org/, it should support all the modern hardware.

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 06:14:31 GMT
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You are so oriented to RedHat - But redhat is not the only distro, and not the most stable. I use Debian for last 7 years on all servers and WS, and so, have to build custom kernel for my installations.

Subject: Re: Kernel 2.6.20+ ?
Posted by John Kelly on Mon, 18 Feb 2008 06:29:16 GMT
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Well it's not hard with make-kpkg. Be happy that vzctl supports debian.

If they were not RH centric, how would they make enough money to pay the programmers who work on this cool stuff. People pay for RH. Who the ? pays for Debian.

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 06:51:01 GMT
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I think here is the balance for having Virtuozo as commercial featurefull/interface/other features product supporting/paying developers for work. Why Redhat would pay openVZ for it? Debian is the largest and most stable distro. If you have brain and hands - you use Debian - if you lasy and

want someone solve your problems - you use Redhat and get their support. Everything in the world in the ballance. BUT - redhat OVZ kernel SRC have mess of thousands of the patches and when I have downloaded it - i can't quickly get any idea in what orderthey should be applied. Debian dos not have this mess (though having it's own tricks). Most things is clear and logical. I'm sure there is the tool or description/or something to apply this RH patches in order - but this is not the way I want spend my time to.

Subject: Re: Kernel 2.6.20+ ?
Posted by augustz on Mon, 18 Feb 2008 07:08:55 GMT
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I'm very glad for a couple of things:

- RHEL support. (CentOS is the free equivalent). I don't think one has to be lazy to use Redhat or a free alternative, let's be careful about the name calling.

- Accessibility of the developers in the forums. This is KEY for me. A dev will eventually read a support request, even if they end up ignoring it if there is an obvious wiki/faq answer.

- Patches to the kernel are timely.

Everything is in open source. If folks were willing to maintain a port to their favorite distribution, I'm sure that would be welcomed.

Additionally, from what I can see on the kernel lists, the openvz devs are putting a fair bit of effort into getting containerization into the mainline kernel, where it will benefit ALL users of Linux on all distributions. What's not to like about that? Then all you are left is the management tools, which parallels can sell you if needed.

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 07:15:29 GMT
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Looks like RH is the only distro you have used in production

Subject: Re: Kernel 2.6.20+ ?
Posted by augustz on Mon, 18 Feb 2008 07:24:33 GMT
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I've run production clusters serving 6M+ dynamic pages a day to 60k + active users long before that was common. Even before the RHEL days.

Using RHEL/CentOS is not an indication of laziness, and liking it is not an indication that no other platform has been tried.

What you learn in this business if you have to do the work yourself or hire others to do it is that folks who insist there is one true distribution are people you want to stay far away from. You also learn that little in the way of commercial software even supports Debian, making it in some cases a particularly poor platform to use. Different situations suit different distributions better.

Good luck with your work, but save the blanket distribution bashing for somewhere else.

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 07:34:39 GMT
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You right, that different tools suits different needs/situations,
and I did not mean that using RH is the clear sign of lasiness
And in any case i did not want to offend you, sorry if I did it unintentionally.

Subject: Re: Kernel 2.6.20+ ?
Posted by kir on Mon, 18 Feb 2008 08:24:32 GMT
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Quote:You are so oriented to RedHat - But redhat is not the only distro, and not the most stable. I use Debian for last 7 years on all servers and WS, and so, have to build custom kernel for my installations.

We try to support Debian as well, definitely not ignoring it.

What I mean when I say "use RHEL5-based kernel" is we currently maintain stability and hardware compatibility in this very kernel branch. Red Hat has about 7M of patches on top of 2.6.18 -- those are mostly bugfixes and driver updates. On top of that, we add OpenVZ patchset, plus our bugfixes and driver updates.

The fact that this kernel branch is based on RHEL5 kernel should not stop you from using it on your Debian box. All you need to do to compile your own kernel is to download vanilla 2.6.18, then apply our combined patch taken from http://openvz.org/download/kernel/rhel5, then configure, build, install and enjoy. Certainly there are other ways, too -- using alien to convert binary rpm to deb, creating your own deb, asking Debian maintainers to support this kernel branch etc.

Subject: Re: Kernel 2.6.20+ ?
Posted by kir on Mon, 18 Feb 2008 08:33:14 GMT
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Quote:BUT - redhat OVZ kernel SRC have mess of thousands of the patches and when I have downloaded it - i can't quickly get any idea in what orderthey should be applied.

First, we provide so-called combined patch on http://openvz.org/download/kernel/rhel5/. This one is generated by applying all the patches from the src.rpm in the correct order, and then diffing the result with vanilla 2.6.18. So you just use that combined patch.

If you want to apply individual patches, that's fine, too. Look at ovzkernel.spec file which is inside src.rpm, locate the %prep section and you will see how the kernel sources are modified. Note that '%patchNNN' commands refer to 'PatchNNN: filename' lines.

It might still be way too complex, so there's a third way -- install rpm binary to your Debian system and run something like

rpm -bp kernel*.src.rpm

This will run that %prep stage for you, ending up with the patched sources at some location.

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 08:34:33 GMT
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I missed the cumulative patch, thanks for pointing on it! I looked inside the source rpm but the patches mess confused me a little
Thanks again!

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 08:39:20 GMT
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Posing that on the wiki would be great for those, like me, who needs different platform. Thanks!

Subject: Re: Kernel 2.6.20+ ?
Posted by kir on Mon, 18 Feb 2008 09:08:14 GMT
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Quote:Posing that on the wiki would be great for those, like me, who needs different platform. Thanks!

See, that's what wiki is for — *you* can add content!

Subject: Re: Kernel 2.6.20+ ?
Posted by vazir on Mon, 18 Feb 2008 09:12:51 GMT
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And i will