Subject: Production stable kernel for Debian based Systems
Posted by ceelian on Fri, 25 Dec 2009 10:28:47 GMT
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Hi,

Well i must admit that i am confused which openvz kernel is the current stable one for running openvz on a debian/ubuntu based hardwarenodes.

Especially which one should i choose if don't want to compile the kernel myself and which one should i choose if do want to compile it myself.

Are the http://debian.systs.org/ Kernels recent enough for production use or are they outdated as well? The most recent i could found there was linux-image-2.6.18-20-ovz-amd64_028stab064.8dso1_amd64.deb

As i read on the openvz wiki this kind of versioning is the old one (http://wiki.openvz.org/Kernel_versioning). So is there a precompiled "new" stable kernel for debian based systems? Is the wiki article outdated or the kernel?

What are your experiences? Which Kernel do you use in Production Environment?

thx in advance,
ceelian

Subject: Re: Production stable kernel for Debian based Systems
Posted by glic3rinu on Sun, 27 Dec 2009 11:42:22 GMT
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The last version of stable kernel is based on rhel5 2.6.18. It's a quite old version but it have backported actual drivers and some bugfixes. I recommend it kernel instead of Debian 5 OVZ maintained kernel.

http://wiki.openvz.org/Download/kernel

you can find some related information on this thread:
http://forum.openvz.org/index.php?t=msg&goto=38005&# msg_38005

Subject: Re: Production stable kernel for Debian based Systems
Posted by efball on Tue, 29 Dec 2009 00:24:18 GMT
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linux-image-2.6.26-2-openvz-686 is in the Debian lenny/stable distribution.
It works fine for me, I don't know about using Ubuntu.

Subject: Re: Production stable kernel for Debian based Systems
Posted by ceelian on Tue, 29 Dec 2009 09:41:47 GMT
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Quote:
linux-image-2.6.26-2-openvz-686 is in the Debian lenny/stable distribution.

That's what i am a bit scared, and i must admit that i have several IMHO security critical bugs with this kernel (see http://forum.openvz.org/index.php?t=msg&th=8199&star t=0&)

Quote:There is even an lenny repository with kernel 2.6.28. Use it at your own risk!

This quote ist from http://wiki.openvz.org/Installation_on_Debian#2_Using_Debian_lenny_repositories

And if you have a look on http://wiki.openvz.org/Kernel_versioning you see that all Kernels above 2.6.18 are development/unstable kernels.

I really thought that Debian only ships very well tested stable software but regarding OpenVZ there is a IMHO a unstable OpenVZ Kernel shipped with lenny.

I am working with OpenVZ already for 5 Years in Production Environment never ever had serious security troubles, but since half a year we have to struggle kernel bugs which needs to get fixed soon to be save from an exploiting attack. Therefore we need a security maintained OpenVZ Kernel which is as recent (in the meaning of security not in Kernel Version Number) as possible.

I really don't want to build one myself unless there is no other way to go.

Has anyone experiences with the Repo from Thorsten Schifferdecker (http://debian.systs.org/)?

I had good experiences with the FZA Line in the past, but thought they were a bit outdated while i was thinking that the debian 2.6.22 is stable.

Are they still a good choice?

Thx,
ceelian

Subject: Re: Production stable kernel for Debian based Systems
Posted by ceelian on Tue, 29 Dec 2009 09:55:31 GMT
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Quote:The last version of stable kernel is based on rhel5 2.6.18. It's a quite old version but it have backported actual drivers and some bugfixes.

Thx, i already read that related thread. Unfortunately it ended before coming to the point: Does this "old" but stable RHEL5 Kernel work with current distros, are there any experiences?

And is the FZA Kernel the stable "debian" version of this mentioned RHEL5 Kernel wich will be security maintained?

As others, i really like OpenVZ even compared to XEN, KVM. I think that the OpenVZ Technology has its key Features which make it in several cases much more useful than XEN, KVM. But unfortunately it is a No-Go in production-use if we couldn't find the current security maintained stable Kernel for debian based Distros.

Regards,
ceelian

Subject: Re: Production stable kernel for Debian based Systems
Posted by efball on Tue, 29 Dec 2009 15:32:43 GMT
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ceelian wrote on Tue, 29 December 2009 04:41Quote:
linux-image-2.6.26-2-openvz-686 is in the Debian lenny/stable distribution.

That's what i am a bit scared, and i must admit that i have several IMHO security critical bugs with this kernel (see http://forum.openvz.org/index.php?t=msg&th=8199&star t=0&)

That was three years ago. (lenny wasn't even released then). When I do a "netstat -tapn" in a vz container with the linux-image-2.6.26-2-openvz-686 kernel I'm only seeing processes from the container I'm in.

Quote:There is even an lenny repository with kernel 2.6.28. Use it at your own risk!

And if you have a look on http://wiki.openvz.org/Kernel_versioning you see that all Kernels above 2.6.18 are development/unstable kernels.

But the 2.6.28 kernel is in testing, not stable. The 2.6.26 kernel is the debian lenny/stable kernel (openvz or not), which sounds pretty stable to me, and debian updates it with security patches.

Quote: I am working with OpenVZ already for 5 Years in Production Environment never ever had serious security troubles, but since half a year we have to struggle kernel bugs which needs to get fixed soon to be save from an exploiting attack. Therefore we need a security maintained OpenVZ Kernel which is as recent (in the meaning of security not in Kernel Version Number) as possible.

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No the FZA kernels are obsolete (I used them with Etch). ovzkernel-2.6.18-686 appears recent, but I really haven't used it much.

Subject: Re: Production stable kernel for Debian based Systems
Posted by elmig on Thu, 31 Dec 2009 13:54:11 GMT
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will 2.6.{27,28}-openvz will be packaged for Debian?

That would be great.

Subject: Re: Production stable kernel for Debian based Systems
Posted by jormartr on Fri, 01 Jan 2010 20:00:36 GMT
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The stable openvz version is 2.6.18. Debian packaged another one, but they had their reasons to do it.

If you want a stable production version stick with the openvz stable version.