Subject: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Jean-Marc Pigeon on Mon, 04 Jan 2010 02:51:18 GMT
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Hi guys,

Just to tell you, my little 'vzgot' experiment reached a working stage.

I was able to run a wide range of distribution rh7.3, rh8.0, rh9, fc2 ->fc12 and Centos-4.[6,7,8], Centos-5.[2,3,4], rhel-4 on a recent unmodified kernel (2.6.31.6-162.fc12).

I was able to rpmbuild clamav on those 33 distributions, so I am confident enough about reliability (charge reached 70.0 the hardware host (a Dell-2800)).

VE network is working fine (VE yum usage is fully working).
Next step is to work on ressources contention (cgroup).

You can access the RPM
ftp://ftp.safe.ca/pub/linux/vzgot/
Theoretically RPM is comprehensive enough to allow you to duplicate result.

Please give me feedback.

(happy new year! for those of us being on the same time frame)

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Ales on Mon, 04 Jan 2010 21:31:53 GMT
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Looks excellent. Great work!

Will test and report back.

Happy new year!

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by nuno on Fri, 08 Jan 2010 11:25:16 GMT
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Looks nice. Congrats! If I get the time to setup something I'll let you know.

Regards,

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Jean-Marc Pigeon on Tue, 12 Jan 2010 18:24:20 GMT
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Cgroup and LVM are now part of the package.
Unbuntu 9.04 and 8.04 (Debian template) are now
available as VZ.
A QUICK-START file, give the 5 easy step to
install Template.

Keep me posted.

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by mperkel on Sun, 24 Jan 2010 13:37:58 GMT
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Excuse my ignorance but I don't understand what this thread is about and I and curious about it. Is there an OpenVZ with a 2.6.31 kernel?

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Jean-Marc Pigeon on Sun, 24 Jan 2010 14:52:10 GMT
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Concerns expressed in another forum thread was about openvz kernel
patch not ported to recent kernel.
Purpose of my post was to show lastest kernel
(at least 2.6.31) allow to have VZ capability WITHOUT need to patch kernel.
(my goal was to be able to run many linux distribution,
oldest being rh7.3 as VZ on that kernel).

In fact there is still a small problem with /proc/kmsg
which is not (yet) virtualized, meaning container(VZ)
syslogd deamon read the SAME /proc/kmsg as the HOST /proc/msg.
(which cause trouble on reading kernel messages).

Linux container developer are aware about this and have
scheduled to modify kernel printk.c to resolve the issue.

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by mperkel on Sun, 24 Jan 2010 15:13:34 GMT
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I was wondering at what point OpenVS would no longer need a special kernel. At what point will the standard kernel support OpenVZ?

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Jean-Marc Pigeon on Sun, 24 Jan 2010 15:27:16 GMT
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Depends what are your needs.
What we have implemented is already fulfilling our purpose
(compiling same product under different Linux distribution)
with container (VZ compatible) under kernel 2.6.31,
but I won't use them yet in an hostile environment.

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by mperkel on Sun, 24 Jan 2010 15:41:56 GMT
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I suppose what I want to do is install the standard kernel rather than the OpenVZ kernel and have OpenVZ just run. Is that something that's coming?

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Jean-Marc Pigeon on Sun, 24 Jan 2010 16:10:50 GMT
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Yes,
Install a plain fc12 distribution (to get the latest kernel),
grab vzgot and play with it.
(the whole purpose to have vzgot avail is to allow people to use it and give feedback).
You have 3 templates (centos,fedora,ubuntu) and a QUICK-START file.
Have fun and keep me posted.

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by mperkel on Sun, 24 Jan 2010 16:27:12 GMT
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I'm confused about what vzgot has to do with OpenVZ? What I'm talking about is when I can run a stock kernel to rum OpenVZ rather than an OpenVZ kernel.

Subject: Re: Kernel 2.6.31.6-162.fc12 vzgot working rh7.3 ---> fc12
Posted by Jean-Marc Pigeon on Sun, 24 Jan 2010 17:48:10 GMT
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Vzgot use the same template as the one used in openvz (compatible)
creating the VZ is different, because kernel

implementation is not the same.
(ex: cgroup is used to do resource limitation)
You can use LXC (already referred in this list), which too
work on recent kernel.
