Subject: List of supported CPUs
Posted by beate on Sun, 19 Nov 2006 16:13:09 GMT
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Hello everyone,

yesterday i spent several hours installing openvz with the result that it does not seem to run on my machine - a VIA EPIA V10000 running a VIA C3 at 1 GHz.
(As soon as i switched the system, a debian sarge base installation on an XFS file system) extended by Thorsten's debain packages for openvz to one of the ovz-kernels, the system became unstable: the ovz tools could not find their files although the configuration data was correct, even worse, after a "su - another_user" that User's shell could not access anything in its search path.)

I tried to find a list of supported architectures, but instead of finding details i only found a remark on swsoft's page telling me they were trying all CPUs the RedHad kernel was running

So my question: is there such a list anywhere?

More specific: are there any patches underway for the C3/C7?
And related: will OVZ run on AMD K6, P IV Celeron and Pentium M based machines?

Thanks for any help

Beate

Subject: Re: List of supported CPUs
Posted by curx on Sun, 19 Nov 2006 22:01:10 GMT
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Hi Beate,

>the system became unstable: the ovz tools could not find their
>files although the configuration data was correct, even worse,
>after a "su - another_user" that User's shell could not access
>anything in its search path.)

Can please post which kernel and vzctl/vzquota is useing ?

Any error messages occurs, during installing and booting a OpenVZ kernel, or post more info what's going wrong ...

May you need to build a own kernel with enabled CONFIG_MVIAC3_2, to start a kernel for you "VIA C3" hardware and XFS is not compilied in offical kernel config provided by OpenVZ!

Subject: Re: List of supported CPUs
Posted by dim on Mon, 20 Nov 2006 08:19:25 GMT
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Right now, OpenVZ kernels are known to run on ia32, x86_64, ia64, ppc64 and sparc64 platforms. The main issue, why we don't support broader set is that we haven't such hardware.

If you may give us an access to such node for some days, we'll debug the issues ourselves.

Subject: Re: List of supported CPUs
Posted by beate on Mon, 20 Nov 2006 22:16:38 GMT
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First of all,

thanks for the replies.

Mhmm, meanwhile i deleted everything. I was using the latest debian packages for vzctl (which are AFAIK recent), the latest python versions of the tools not available as debain packages, and kernels 2.6.9 as well as 2.6.16.

BTW, the VIA C3 is a ia32 CPU, the C7 as well (different floating point unit, smaller dye)

I might give it another try using ext3 file systems (although i like SGI's file system better) on a fresh installation within the next days.

Different question: are there any guidelines of the specifics needed to extend a working non-virtualizing kernel configuration tuned for a given machine (static, no modules) to include openvz ?
Is there anything in addition to the obvious parameters which has to be considered?

Subject: Re: List of supported CPUs
Posted by dim on Wed, 22 Nov 2006 09:49:19 GMT
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you need to:
1) apply openvz patch;
2) add CONFIG_FAIRSCHED, CONFIG_SCHED_VCPU, CONFIG_VE and underlied, CONFIG_USER_RESOURCE and underlied options to your kernel config;
3) check http://wiki.openvz.org/Porting_the_kernel article.

Subject: Re: List of supported CPUs

Posted by quintusopen on Wed, 20 Dec 2006 00:23:53 GMT
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Can you add support for the CELL processor which is useed in the ps3 please???

Subject: Re: List of supported CPUs
Posted by dim on Wed, 20 Dec 2006 08:07:27 GMT
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Could you give us access to node with such processor in order to build, debug and test our kernel?