Subject: OpenVZ on top of UML?
Posted by accessory on Fri, 25 Jul 2008 16:10:38 GMT
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Hi:

I am trying to run openvz as a user-mode linux guest OS. From here:
http://wiki.openvz.org/Porting_the_kernel. I found that openvz does not support UML yet, but it
seems it is not a very difficult work to port it for an expert.

I am new to linux and just wondering if anyone has done this already?

I tried to compile ovz 2.6.18 kernel with ARCH=um directly, but got some error.

I think if openvz is ported to UML, then it is easier for the developers to debug openvz too. But
maybe the developers are so skillful that they don't care?

Subject: Re: OpenVZ on top of UML?
Posted by dowdle on Tue, 29 Jul 2008 01:29:41 GMT
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I really don't know much about User Mode Linux but I have gotten OpenVZ to install inside of
VMware Server and KVM just fine. I'd assume the same is possible with fully virtualized Xen,
VirtualBox, and Parallels too but I have not tried to install OpenVZ on those.

Given the fact that OpenVZ (and OS Virtualization in general) easily out performs machine /
hardware virtualization, installing the former into the later isn't done a whole lot in production
systems... to the best of my knowledge... so the whole concept isn't that popular. UML is a hybrid
system and doesn't, as I understand it, provide as complete an environment as the machine /
hardware virtualization products do... so I'd imagine there would be a considerable amount of
work getting OpenVZ and UML to interoperate.

Once containers make it into the mainline, perhaps there would be an improved chance of UML
and containers working together.

Subject: Re: OpenVZ on top of UML?
Posted by accessory on Tue, 29 Jul 2008 13:08:04 GMT
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I agree with you. I just want to debug OpenVZ kernel easily so I try to use UML for debugging. If
there are other ways that I can easily debug openVZ, that will be great.

Thanks.