Subject: Is it possible to run KVM inside OpenVZ?
Posted by s_groening on Tue, 03 Apr 2012 16:47:11 GMT
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Hi all,

I'm completely new to OpenVZ, but I've been wondering if it supports running KVM VMs inside OpenVZ, like Joyent's SmartOS does on the Illumos/Solaris kernel?

SmartOS does so for security reasons, which is why I turn to OpenVZ for a similar solution, as KVM seems somewhat hard to secure completely as it would require you to run SELinux along with sVirt (security extensions to Libvirt) to decently separate VMs.

However, if KVM instances were to be kept within separate OpenVZ containers, if understand it correctly, these instances wouldn't be able to see one another, thus adding a much needed security layer to my KVM deployments ...

Moreover, it would allow me to logically separate instances/appliances without needing to add complete a OS setup for each instance, which in turn would free resources in regards to my virtualization hosts.

Does anyone know if this can be acieved? -I know you can run KVM alongside OpenVZ, but inside??

Thanks a bunch!

-Søren

Subject: Re: Is it possible to run KVM inside OpenVZ?
Posted by dzimi on Fri, 27 Apr 2012 17:25:13 GMT
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s_groening wrote on Tue, 03 April 2012 18:47
Does anyone know if this can be acieved? -I know you can run KVM alongside OpenVZ, but inside??

I think that is not possible. Maybe, try to use chroot() for KVMs ?

Subject: Re: Is it possible to run KVM inside OpenVZ?
Posted by Ales on Sat, 28 Apr 2012 00:18:29 GMT
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I'm also not sure it can be done, but it could be possible. Please let us all know if you try.

I recently had to do some quick devel work with OpenVZ inside a KVM VM (Fedora host / SL6 guest / SL6 guest) and I can confirm that this works just fine. At least as much as I had to play with it... If I remember right I actually compiled a custom kernel, a bunch of other packages and than composed a live image in such a VM.

Subject: Re: Is it possible to run KVM inside OpenVZ?
Posted by concerto49 on Wed, 21 Nov 2012 10:40:14 GMT
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It's definitely fine to run OpenVZ inside KVM. Have tried it. Performance is a different issue though

Subject: Re: Is it possible to run KVM inside OpenVZ?
Posted by zenny on Mon, 16 Mar 2015 21:15:44 GMT
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The OP is asking KVM inside OpenVZ, not vice versa.

I do not see a rationale behind using a KVM inside OpenVZ? You can run OpenVZ and KVM in the same machine like proxmox does, instead!

Subject: Re: Is it possible to run KVM inside OpenVZ?
Posted by Ales on Tue, 17 Mar 2015 00:09:55 GMT
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Um, the OP has been asking this three years ago...