
Subject: Is openVZ using paravirtualization technique
Posted by [shuaib85](#) on Fri, 14 Dec 2007 11:00:25 GMT
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Hi everybody,

Currently I am doing a performance study on virtualization. I am intending to compare three software. VMWare, Xen and OpenVZ. Through my reading in the literature of virtualization I did not find that openVZ is mentioned. And I did not find OS level virtualization as well. In fact I want to include openVZ in my study but I am not sure whether it is using a paravirtualization technique or not. Because the comparison must be of the same type.

Any suggestion is highly appreciated

Regards
Shuaib Zahda

Subject: Re: Is openVZ using paravirtualization technique
Posted by [kir](#) on Fri, 14 Dec 2007 12:12:08 GMT
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OpenVZ is not paravirtualization, it is rather containerization. See the difference here:
http://wiki.openvz.org/Introduction_to_virtualization

But in most cases it still makes sense to compare it to VMware and/or Xen. For example, see this comparison of OpenVZ vs Xen done by HP labs:
<http://www.hpl.hp.com/techreports/2007/HPL-2007-59.html>

As of what containers, or OS-level virtualization is, there is a nice wikipedia article:
http://en.wikipedia.org/wiki/Operating_system-level_virtualization

Any further questions -- feel free to ask.

Subject: Re: Is openVZ using paravirtualization technique
Posted by [shuaib85](#) on Sat, 15 Dec 2007 06:26:12 GMT
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Hello kir

Thank you for the answer.

In this case I need to compare virtualization systems using the same technique. I believe I will compare openVZ with vitruzzo and virtual linux.

Is there any white paper for openvz or more comprehensive write up than the ones in the wiki.

Thanks

Subject: Re: Is openVZ using paravirtualization technique
Posted by [devonblzx](#) on Wed, 19 Dec 2007 21:33:40 GMT
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Well OpenVZ and Virtuozzo are based on the same technology so except for some extra useful tools and the Power Panel there isn't much to compare between OpenVZ and Virtuozzo.
