
Subject: Re: Does Virtualization Technology benefit my running OpenVZ?

Posted by [ehab](#) on Sat, 24 Feb 2007 14:00:33 GMT

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No by vary nature openVZ and other kernel virtualization technologies like vserver do not NEEDED CPU to have virtualization.

VMware and Xen allow you to have different kernels and operating systems on the same physical server, with this you need a lot of work or hardware support to have multiple kernels on the same physical server. But with openvz the same kernel (albiet a modified one) is shared accross all vps.

This means the following
no need for hardware virtualization

memory and CPU are seamlessly shared and can be dynamically allocated and even oversold between VPSs, whereas with vmware or xen memory allocation is fixed.

no slow hardware and disk access due to virtualization like in xen and vmware

Only one OS kernel can run, ie only linux so different VPSs can not have windows for example nor a different kernel.

Some operations can not be done in VPSs that are possible on physical hardware and XEN, VMware. Still Xen/vmware do have similar but less limitations.

If you are running only linux as a server and want multiple virtual machines on a dedicated server openvz is the way to go, if you just want to dabble and play around or want both windows and linux then go for xen/vmware.
