Subject: 64bit CPU on Hardware node :: advantageous when vps is 32bit?
Posted by RapidVPS on Sun, 23 Apr 2006 01:37:08 GMT

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Hello, I have a 64bit capable server (specific models at end of post). Is it advantageous to use the 64bit openvz kernel when my VPS applications will be 32bit? The reason I will maintain 32bit applications in each vps context is in case a VPS needs to be migrated to a 32bit hardware server.

Is there any performance gain/loss in this case? Any other thoughts or info I should be aware of?

Thank you
Rick

motherboard:
 http://www.intel.com/design/servers/boards/se7520af2/index.h tm

CPU (x2):
Dual Core Processor 2.8GHz, 800MHz FSB, 2 x 2MB L2 cache, 135W,
90nm, mPGA604,

Subject: Re: 64bit CPU on Hardware node :: advantageous when vps is 32bit?
Posted by dev on Mon, 24 Apr 2006 06:49:20 GMT

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Actually, if you are 100% sure you need 32bit only, I would recommend 32bit OS. Since most, but still not all of 32bit ioctls() and kernel calls are fully emulated in 64bit kernel.

Also 64bit OS has slightly bigger memory overhead (i.e. mem usage).
Performance is questinable... 64bit OS makes really sence when you have more than 8Gb RAM.