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Subject: Routing problems using SMP kernel

Posted by [Steve Hodges](#) on Sun, 26 Aug 2007 14:59:57 GMT

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After getting most of my problems solved I decided to move my test environment onto the production server.

The server is a dual xeon which, with hyperthreading, appears (to Linux) to have 4 processors. So, when I built this machine I decided to use the ovzkernel-2.6.18-smp

The rebuild caused me all sorts of routing problems which I have managed to track down to being caused by the kernel. I just replaced the kernel with ovzkernel-2.6.18

```
aptitude install ovzkernel-2.6.18
aptitude remove ovzkernel-2.6.18-smp
shutdown -r now
```

problem solved!

It seems pretty odd that the smp kernel could cause this, but I really don't know what is different about that kernel.

The symptoms were similar to the ones I had before I set the netmask of the venets correctly, but more extreme. Whereas the netmask issue seemed to cause packets to go out of the wrong interface, this problem seemed to stop packets getting out of the server at all.

If there are any questions about the symptoms, I will be able to swap back to that kernel for the next day or so to test things out.

What will the impact be of running the non-smp kernel on a multi-processor machine? Will I only effectively use a single processor?

Steve

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