
Subject: Re: Routing problems using SMP kernel
Posted by [kir](#) on Mon, 27 Aug 2007 19:47:23 GMT
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I guess it makes much sense to diagnose the hardware at this point. Some info is available at http://wiki.openvz.org/Hardware_testing

Steve Hodges wrote:

> On 27/08/2007 10:57 PM, Kirill Korotaev wrote:

>> Steve,

>>

>> Sure, SMP shouldn't affect your routing and it is very strange. I

>> guess >90% of people

>> are running SMP kernels.

>>

>> >From your report it is totally unclear what OVZ kernel version is

>> (e.g. something like 028stab039)

>> and where this kernel was got from. Have you built it yourself?

>> Can you please provide a bit more details on what is working and what

>> not?

>> Why have you decided that it is routing to blame to?

>>

>

> it's 2.6.18-028stab035.1-ovz-smp obtained from deb

> <http://debian.sysfs.org/stable/openvz>

>

> when I use the normal kernel I can ping from the VE to the HN and to

> other VE's on this HN, to my other HN and to an external site

> (google.com)

>

> when I use the smp kernel (no other change) I can ping from the VE to

> the HN and to other VEs on this HN, but not the other HN or to

> external sites

>

> in all cases pinging from the HN is ok.

>

> from the VE, if I try to do a traceroute to the HN it shows the HN as

> the first hop (with either smp or normal kernel). If I traceroute to

> my other HN, I just get endless * * * lines with the smp kernel (it

> doesn't even show the HN as the first hop). With the normal kernel it

> shows the HN, then the destination of the ping (the other HN in this

> case).

>

> Is that a routing issue? dunno? but it looks like it might be. I

> was actually leaning toward it being a hardware fault until I noticed

> the anomaly in the traceroute.

>

> I'm not sure if having 2 nics in the box has any bearing on it.

>
> with the smp kernel I also note checksum errors when I do a ping -R. I
> don't get those errors using the non-smp kernel.
>
> OK, this gets extremely weird. I just checked the kernel I'm running
> and it is still the smp version. and that is after I executed:
>
> aptitude install ovzkernel-2.6.18
> aptitude remove ovzkernel-2.6.18-smp
> shutdown -r now
>
> I am now concerned that this problem will recurr if I am forced to
> reboot. It can't be as simple as the reboot fixing it as I rebooted
> several times while I was having the problem and it didn't go away.
>
> I wonder if I have just entered the twilight zone?
