
Subject: Re: strange problem with nagios nrpe server
Posted by [Kirill Korotaev](#) on Thu, 06 Dec 2007 09:34:42 GMT
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BTW,

Do you use/have WINS server? it is usually used for names resolution and can be used w/o broadcasts, so it should work even with your current configuration.

http://www.oreilly.com/catalog/samba/chapter/book/ch07_03.html

Thanks,
Kirill

Kirill Korotaev wrote:

> Steve Wray wrote:

>

>>Just one other possible data point.

>>

>>I may have just dismissed these problems as some kind of creeping
>>senility but I've seen some other bizarre issues with VMs migrated into
>>OpenVZ.

>>

>>One of these is to do with Samba filesharing.

>>

>>When the VM is migrated into OpenVZ from Xen, samba fileshares on the VM
>>can be accessed from Windows *only* by FQDN not by bare hostname.

>>

>>Note that this broke *existing* mapped network drives for Windows users.

>>

>>Also note that this did *not* affect Linux nor OSX clients; only Windows.

>>

>>Since I've verified that this wierdness is *only* apparent when the VM
>>was running under OpenVZ not under Xen I'm not inclined to believe that
>>I am going insane when I find that NRPE under Debian Sarge has a problem
>>when running under OpenVZ and not under Xen.

>>

>>

>>It starts to seem that OpenVZ can produce all *kinds* of unpredictable
>>behavior... either that or I really am going mad complete with
>>hallucinations :-/ Not discounting that possibility out of hand...

>

>

> Oh, don't say so. Everything should have a logical explanation.

> And I guess I know the answer to this one.

>

> First of all, plz check that you don't have any kind of firewall
> rules in host system and VE with 'iptables -L'.
>
> But the real suspect is broadcast network messages from NetBIOS protocol.
> Working FQDN means that host can be found via DNS and by IP.
> Non-working short hostnames mean that your hosts are not setup
> in default domain in DNS and that name resolution via netbios failed.
>
> You need to connect your VE to ethX adapter using veth (virtual ethernet)
> adapter and Linux bridge. This will allow use of network broadcasts.
> The default venet networking is a secure IP-level networking which filters
> out broadcasts.
>
> http://wiki.openvz.org/Virtual_Ethernet_device
> http://wiki.openvz.org/Differences_between_venet_and_veth
> http://forum.openvz.org/index.php?t=msg&goto=7295&&srch=samba#msg_7295
> <http://en.wikipedia.org/wiki/NetBIOS>
>
> Forseeing your question about why venet is used as default networking type:
> 1. venet is more secure (see wiki).
> 2. venet is more scalable up to hundrends and thousands of VEs,
> while veth/ethernet/bridge broadcasts/multicasts will simply kill (DoS) the node
> in case of many VEs.
>
> Thanks,
> Kirill
>
>
