Subject: *SOLVED* network problem if I set onboot=yes
Posted by heber on Mon, 23 Apr 2007 21:03:41 GMT
View Forum Message <> Reply to Message

Hi all,

I'm getting an weird problem with a VE which I would like to be started automatically on HN boot.

If I start a VE manually I can ping from another machine and I get the following arp command output(10.77.0.111 is the VE's IP):

root@TestOpenVZ:~# arp -a
? (10.77.0.1) at 00:15:C5:33:29:0D [ether] on eth0
notfr77d91.campinas.dba.com.br (10.77.0.161) at 00:14:22:CB:94:41 [ether] on eth0
? (10.77.0.111) at <from_interface> PERM PUB on eth0

But If I use the parameter onboot="yes" I have network problems. The VE works, but I cannot ping from outside. I'd sniffed the network and I realize that the machine from which I'm sending the ping request cannot find out what is the VE's MAC address. And I get in HN:

root@TestOpenVZ:~# arp -a
? (10.77.0.254) at 00:17:9A:6C:C4:AD [ether] on eth0
notfr77d91.campinas.dba.com.br (10.77.0.161) at 00:14:22:CB:94:41 [ether] on eth0
? (10.77.0.1) at 00:15:C5:33:29:0D [ether] on eth0

You can see that there is no entry concerning my VE.

If I restart the VE, the network start working again and I can ping.

I'm using kernel-2.6.15 with patches and vzctl 3.0.16-1dso2~sarge0. I got this using both Fedora and Ubuntu templates.

Any idea?

Thanks a lot and sorry my english

Heber

Subject: Re: network problem if I set onboot=yes
Posted by Vasily Tarasov on Tue, 24 Apr 2007 08:02:25 GMT
View Forum Message <> Reply to Message

Hello,

seems that the problem is in init scripts. Can you try to switch off vz init script on start up, then boot the node and start vz script manually. VEs with ONBOOT="yes" will be started. Then check

does network work.

Thank you,
Vasily.

Subject: Re: network problem if I set onboot=yes
Posted by heber on Tue, 24 Apr 2007 14:33:33 GMT
View Forum Message <> Reply to Message

Vasily, you're right.

More specifically, the problem was in the order that vz script was started on Ubuntu.

I had:

root@TestOpenVZ:/etc/rc2.d# ls /etc/rc2.d/S2*
/etc/rc2.d/S20dbus /etc/rc2.d/S20sysstat
/etc/rc2.d/S20makedev /etc/rc2.d/S20vz
/etc/rc2.d/S20nfs-kernel-server
/etc/rc2.d/S20ssh

I changed to:

root@TestOpenVZ:/etc/rc2.d# ls /etc/rc2.d/S2*
/etc/rc2.d/S20dbus /etc/rc2.d/S20sysstat
/etc/rc2.d/S20makedev /etc/rc2.d/S21vz
/etc/rc2.d/S20nfs-kernel-server
/etc/rc2.d/S20ssh

and right now VEs networking starts at HN boot. I get just after the boot:

root@TestOpenVZ:/etc/rc2.d# arp -a
notfr77d91 (10.77.0.161) at 00:14:22:CB:94:41 [ether] on eth0
? (10.77.0.111) at <from_interface> PERM PUB on eth0

And I can ping from outside.

Can you explain to me what is the problem? Is there any conflict betwen vz init script and one of the others S20*?

Is this a .deb bug? I got them from "http://debian.systs.org"

Thanks a lot

Subject: Re: network problem if I set onboot=yes
Posted by Vasily Tarasov on Tue, 24 Apr 2007 14:53:13 GMT
View Forum Message <> Reply to Message

I can't tell you the exact problem: need to look at initscripts more narrowly, probabaly add some debug messages to them... However it seems to be a bug, so, please, fill the it in bugzilla with the link to your initial post on forum and we'll check what's happening.

Vasily.

Subject: Re: network problem if I set onboot=yes
Posted by heber on Tue, 24 Apr 2007 17:12:42 GMT
View Forum Message <> Reply to Message

Vasily,

The solution I've posted is not working, maybe I made a mistake.

If a disable vz script to initialize on boot and manually do "/etc/init.d/vz start" network works fine.

Any idea? Or should I just open a new bug?

Thanks

Subject: Re: network problem if I set onboot=yes
Posted by Vasily Tarasov on Wed, 25 Apr 2007 08:30:40 GMT
View Forum Message <> Reply to Message

Try to make vz initscript the last one on the given runlevel. The bug should be filled though

Vasily.

Subject: Re: network problem if I set onboot=yes
Posted by heber on Wed, 25 Apr 2007 16:03:26 GMT
View Forum Message <> Reply to Message

I finally find out the real problem.

The vz init script was already the last one and it wasn't working.

Just to test I put a "sleep 20" before script execution and It worked !

Debuging I put "ps -ef >>/root/ps.txt" before and after "sleep 20" and I realized that the difference was that nic wasn't up at vz script execution time, and this was the problem.

I saw the following before the line with "sleep" :

root 2723 1 0 11:56 ? 00:00:00 /sbin/ifup --allow auto eth0

That's why I had that weird behaviour with arp output.

Isn't this a bug, right? Or should vz script check if ethx is up before running?

Thanks a lot

Subject: Re: network problem if I set onboot=yes
Posted by Vasily Tarasov on Wed, 25 Apr 2007 16:29:16 GMT
View Forum Message <> Reply to Message

Thank you very much for investigating the problem. For me - it is a bug anyway. The question is how to fix it, because sleeping 20 seconds is rather rude solution. But we can, for example, wait till interface get up...
Can you, please, fill the bug and post there all information you discovered. We'll think out some solution.

Thank you again,
Vasily.

Subject: Re: network problem if I set onboot=yes
Posted by kir on Mon, 14 May 2007 09:25:03 GMT
View Forum Message <> Reply to Message

It sounds like it's your networking init script to blame, not vz init script.

OR it might be that something like «parallel startup» option is set, which affects the way it all works.

Which ubuntu version it is?

Subject: Re: network problem if I set onboot=yes
Posted by heber on Tue, 15 May 2007 20:12:35 GMT
View Forum Message <> Reply to Message

Yes, you are right.

I was facing with network problems at that time, HN was spending so much time to get the IP address from DHCP Server.

Shouldn't vz init script check if HN already has an IP address?

Ubuntu 6.06

Thanks

Subject: Re: network problem if I set onboot=yes
Posted by kir on Mon, 21 May 2007 15:19:49 GMT
View Forum Message <> Reply to Message

There are a lot of other services which depend on networking being up -- like ssh, apache etc. I have checked (ubuntu feisty fawn) and found none of those explicitly check for networking being up and running. If they do not check it -- why should we?