

---

Subject: \*SOLVED\* VE Network hangs  
Posted by [mdekkers](#) on Wed, 06 Jun 2007 11:01:30 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi All,

Debian Etch, running etch's standard openvz install. create a bunch of VE's, all work fine.  
Standard iptables, NAT, etc - network access works.

apt-get install from within a VE, the download will hang. apt needs to be restarted several times to get the whole file down. No such problems from the HN. I am pretty new to OpenVZ, and am mainly used to Xen and VMWare.

running wget on the commandline doesnt show this issue.  
Any pointers?

---

---

Subject: Re: VE Network hangs  
Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 11:27:12 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hmmm... kernel version please. And can you please attach here the strace of apt-get here?

Thank you,  
Vasily.

---

---

Subject: Re: VE Network hangs  
Posted by [mdekkers](#) on Wed, 06 Jun 2007 12:08:34 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

uname -a Linux <somehost> 2.6.18-openvz-12-1-686 #1 SMP Tue May 1 04:59:12 CEST 2007  
i686 GNU/Linux

last bit of strace for apt-get install tetex-base:

```
read(13, "102 Status\nURI: http://http.us.d"... , 64000) = 127
select(14, [13], [], NULL, {0, 472000}) = 1 (in [13], left {0, 444000})
read(13, "200 URI Start\nURI: http://http.u"... , 64000) = 159
Get:1 http://http.us.debian.org etch/main tex-common 1.0.1 [708kB]
) = 81
stat64("/var/cache/apt/archives/partial/tex-common_1.0.1_all.deb", {st_mode=S_IFREG|0644,
st_size=1151, ...}) = 0
gettimeofday({1181131516, 123310}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
```

```

0% [1 tex-common 1151/708kB 0%]) = 45ommon 1"... , 45
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)
stat64("/var/cache/apt/archives/partial/tex-common_1.0.1_all.deb", {st_mode=S_IFREG|0644,
st_size=506503, ...}) = 0
gettimeofday({1181131516, 625780}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
2% [1 tex-common 506503/708kB 71%]) = 67 "... , 67
select(14, [13], [], NULL, {0, 500000}) = 1 (in [13], left {0, 332000})
read(13, "201 URI Done\nURI: http://http.us"... , 64000) = 454
rename("/var/cache/apt/archives/partial/tex-common_1.0.1_all.deb",
"/var/cache/apt/archives/tex-common_1.0.1_all.deb") = 0
gettimeofday({1181131516, 796795}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
3% [Waiting for headers]) = 60 "... , 60
select(14, [13], [], NULL, {0, 500000}) = 1 (in [13], left {0, 500000})
read(13, "200 URI Start\nURI: http://http.u"... , 64000) = 168
Get:2 http://http.us.debian.org etch/main tetex-base 3.0.dfsg.3-5 [22.4MB]
) = 101
stat64("/var/cache/apt/archives/partial/tetex-base_3.0.dfsg.3-5_all.deb",
{st_mode=S_IFREG|0644, st_size=1221, ...}) = 0
gettimeofday({1181131516, 798379}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
3% [2 tetex-base 1221/22.4MB 0%]) = 583% [2 "... , 58
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)
stat64("/var/cache/apt/archives/partial/tetex-base_3.0.dfsg.3-5_all.deb",
{st_mode=S_IFREG|0644, st_size=593453, ...}) = 0
gettimeofday({1181131517, 301690}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
5% [2 tetex-base 593453/22.4MB 2%]) = 68 "... , 68
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)
stat64("/var/cache/apt/archives/partial/tetex-base_3.0.dfsg.3-5_all.deb",
{st_mode=S_IFREG|0644, st_size=1184237, ...}) = 0
gettimeofday({1181131517, 804380}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
8% [2 tetex-base 1184237/22.4MB 5%]) = 71 "... , 71
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)
stat64("/var/cache/apt/archives/partial/tetex-base_3.0.dfsg.3-5_all.deb",
{st_mode=S_IFREG|0644, st_size=1773573, ...}) = 0
gettimeofday({1181131518, 306289}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
10% [2 tetex-base 1773573/22.4MB 7%]) = 73 "... , 73
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)

```

```
stat64("/var/cache/apt/archives/partial/tetex-base_3.0.dfsg.3-5_all.deb",
{st_mode=S_IFREG|0644, st_size=1828597, ...}) = 0
gettimeofday({1181131518, 806430}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
10% [2 tetex-base 1828597/22.4MB 8%] = 37M"..., 37
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)
stat64("/var/cache/apt/archives/partial/tetex-base_3.0.dfsg.3-5_all.deb",
{st_mode=S_IFREG|0644, st_size=1828597, ...}) = 0
gettimeofday({1181131519, 306365}, NULL) = 0
rt_sigprocmask(SIG_BLOCK, [WINCH], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
10% [2 tetex-base 1828597/22.4MB 8%] = 37M"..., 37
select(14, [13], [], NULL, {0, 500000}) = 0 (Timeout)
```

It then goes on for a while being stuck at 8% - timeouts. this doesnt happen on the HN.  
Furthermore, this only happens with larger files, lots of smaller ones work fine.

Thanks for looking into this. Appreciated.

---

---

Subject: Re: VE Network hangs  
Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 13:04:33 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks,

two more questions, please:

- 1) is there something in /proc/user\_beancounters \_after\_ stalled apt-get
- 2) the version of your kernel is 2.6.18-openvz-12-1-686... I guess it is some Debian versioning.  
Can you give me a link to some Debian web-page, where I can find out how to translate Debian version to OpenVZ one?

Thanks,  
Vasily.

---

---

Subject: Re: VE Network hangs  
Posted by [curx](#) on Wed, 06 Jun 2007 13:13:23 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

@Martijn: I think some network related bean\_counter has been exceeded, like tcpsndbuf, tcprcvbuf ... etc.

@Vass:, this OpenVZ kernel version is built with OpenVZ Patch 028stab018.1

---

Subject: Re: VE Network hangs  
Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 13:21:42 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thorsten,

can you tell me however where can I get this information? Probably some time you'll be not at forum, and then nobody will help me BTW, why the versioning is so strange? I mean no mention about upstream version (018 in this case).

Vielen Dank,  
Vasily.

---

Subject: Re: VE Network hangs  
Posted by [curx](#) on Wed, 06 Jun 2007 13:40:25 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Vasily,

> can you tell me however where can I get this information?  
Yes, here:

file: linux-image-2.6.18-openvz-12-1etch1-686\_028.18.1etch2\_i386.deb :

linux-image-2.6.18 -> linux-source-2.6.18 (debian)  
-openvz-12-1etch1-686 -> append-to-version  
028.18.1etch2 -> revision string, with OpenVZ patch 028(stab0).18.1

See debian packages info:

[http://packages.debian.org/cgi-bin/search\\_packages.pl?searchon=names&version=all&exact=1&keywords=kernel-patch-openvz](http://packages.debian.org/cgi-bin/search_packages.pl?searchon=names&version=all&exact=1&keywords=kernel-patch-openvz)

> Probably some time you'll be not at forum, and then nobody will help me

I'm really often here , so make a knock ...

> BTW, why the versioning is so strange? I mean no mention about upstream version (018 in this case).

Please ask Ola about this, here put the patch sting to revision only.

---

Subject: Re: VE Network hangs  
Posted by [mdekkers](#) on Wed, 06 Jun 2007 13:47:32 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi vasily,

thanks for your help:

```
root@<hostname>:/proc# cat user_beancounters
Version: 2.5
```

uid resource	held	maxheld	barrier	limit	failcnt
666: kmemsize	696833	781828	2752512	2936012	0
lockedpages	0	0	32	32	0
privvmpages	16728	19097	49152	53575	0
shmpages	0	0	8192	8192	0
dummy	0	0	0	0	0
numproc	17	18	65	65	0
physpages	1663	3469	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	1663	3469	6144	2147483647	0
numtcpsock	3	4	80	80	0
numflock	1	6	100	110	0
numpty	2	2	16	16	0
numsiginfo	0	3	256	256	0
tcpsndbuf	0	4464	319488	524288	0
tcprcvbuf	0	343728	319488	524288	318
othersockbuf	4464	6696	132096	336896	0
dgramrcvbuf	0	1208	132096	132096	0
numothersock	2	5	80	80	0
dcachesize	0	0	1048576	1097728	0
numfile	336	350	2048	2048	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	10	10	128	128	0

```
root@corehost01:/proc#
```

Thanks  
All just numbers to me...

---

---

Subject: Re: VE Network hangs  
Posted by [Vasily Tarasov](#) on Wed, 06 Jun 2007 13:58:57 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

you should increase tcprcvbuf paramater for your VE:  
vzctl set 666 --tcprcvbuf 629488:1024288 --save  
And then retry your apt-get operations...

BTW, read more about it. It's very important when using OpenVZ:  
[http://wiki.openvz.org/Resource\\_shortage](http://wiki.openvz.org/Resource_shortage)

Vasily.

---

---

Subject: Re: VE Network hangs  
Posted by [mdekkers](#) on Wed, 06 Jun 2007 15:36:14 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hey Vasily,

Thanks again for your great help! This seems to have done the trick, brilliant!

---