
Subject: File download slows down to 0bps inside VE

Posted by [eliast](#) on Thu, 23 Aug 2007 17:30:12 GMT

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Hy all. Inside a fresh VE, created from the basic conf, based on etch template, if I start to download from kernel.org, the download starts at a good rate but in some seconds it slows down to 0. normally, in the host os, I can dl from kernel.org at 10Megs/sec. Inside a VE I even cannot finish downloading the kernel source, the most it comes dow is 4MB.

The server is a core2duo with 1,5g ram, and 2 VEs. Both VEs akt like I descrbed.

Any ideas?

here are the examples:

```
HOSTOS:/home/eliast# wget http://www.hu.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.5.tar.gz
--19:16:20-- http://www.hu.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.5.tar.gz
=> `linux-2.6.22.5.tar.gz'
```

```
Resolving www.hu.kernel.org... 193.206.140.34, 193.198.184.21, 81.223.20.167, ...
```

```
Connecting to www.hu.kernel.org|193.206.140.34|:80... connected.
```

```
HTTP request sent, awaiting response... 200 OK
```

```
Length: 56,918,858 (54M) [application/x-tar]
```

```
100%[=====
===== >] 56,918,858 21.76M/s
```

```
19:16:27 (21.71 MB/s) - `linux-2.6.22.5.tar.gz' saved [56918858/56918858]
```

```
HOSTOS:/home/eliast# vzctl enter 100
```

```
entered into VE 100
```

```
VE1:/# wget http://www.hu.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.5.tar.gz
```

```
--17:16:44-- http://www.hu.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.5.tar.gz
```

```
=> `linux-2.6.22.5.tar.gz'
```

```
Resolving www.hu.kernel.org... 193.198.184.21, 193.206.140.34, 81.223.20.167, ...
```

```
Connecting to www.hu.kernel.org|193.198.184.21|:80... connected.
```

```
HTTP request sent, awaiting response... 200 OK
```

```
Length: 56,918,858 (54M) [application/x-tar]
```

```
7% [=====> ] 4,194,304
```

```
--.--K/s ETA 04:03
```

```
VE1:/# logout
```

```
exited from VE 100
```

```
HOSTOS:/home/eliast# vzctl enter 101
```

```
entered into VE 101
```

```
VE2:/# wget http://www.hu.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.5.tar.gz
```

```
--17:20:29-- http://www.hu.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.5.tar.gz
```

```
=> `linux-2.6.22.5.tar.gz'
```

```
Resolving www.hu.kernel.org... 192.108.114.81, 158.195.35.197, 81.223.20.167, ...
```

Connecting to www.hu.kernel.org|192.108.114.81|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 56,918,858 (54M) [text/plain]

1% [>
ETA 10:08

] 777,864 --.--K/s

Here are my conf file's parameters:

VERSION="2"

ONBOOT="no"

UBC parameters (in form of barrier:limit)

Primary parameters

AVNUMPROC="40:40"

NUMPROC="65:65"

NUMTCPSOCK="80:80"

NUMOTHERSOCK="80:80"

VMGUARPAGES="6144:9223372036854775807"

Secondary parameters

KMEMSIZE="5242880:5592405"

TCPSNDBUF="319488:524288"

TCPRCVBUF="319488:524288"

OTHERSOCKBUF="132096:336896"

DGRAMRCVBUF="132096:132096"

OOMGUARPAGES="6144:9223372036854775807"

Auxiliary parameters

LOCKEDPAGES="32:32"

SHMPAGES="8192:8192"

PRIVVMPAGES="35000:38181"

NUMFILE="2048:2048"

NUMFLOCK="100:110"

NUMPTY="16:16"

NUMSIGINFO="256:256"

DCACHESIZE="1048576:1097728"

PHYSPAGES="0:9223372036854775807"

NUMIPTENT="128:128"

Disk quota parameters (in form of softlimit:hardlimit)

DISKSPACE="1048576:1153434"

DISKINODES="200000:220000"

QUOTATIME="0"

CPU fair sheduler parameter

CPUUNITS="1000"

OFFLINE_MANAGEMENT="yes"
NOATIME="yes"
CPUS="2"
OSTEMPLATE="debian-etch-PE_base-070717-template-i386"
ORIGIN_SAMPLE="vps.basic"

Subject: Re: File download slows down to 0bps inside VE
Posted by [locutius](#) on Thu, 23 Aug 2007 19:48:50 GMT
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the basic conf is an extremely conservative VPS with 24MB RAM and everything tuned down

use the vzsplitt utility to output an 8 way split of your hardware. compare the output of vzsplitt with the conf of your VPS and you will see the problem

that was the solution but here is another way to check what is happening inside the VPS

cat /proc/user_beancounters

Subject: Re: File download slows down to 0bps inside VE
Posted by [eliast](#) on Thu, 23 Aug 2007 20:47:36 GMT
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results:

HOSTOS:/home/eliast# vzsplitt
Enter the number of VEs: 1
WARNING: Recommended minimal size of partition holding /mnt/stuff/vz/private/ is 20Gb!
Fatal resource shortage, try to decrease the number of VEs

Subject: Re: File download slows down to 0bps inside VE
Posted by [locutius](#) on Thu, 23 Aug 2007 20:58:41 GMT
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that is an error because you have just attempted to fit your entire filesystem into a single directory
try an 8 or 16 way split

Subject: Re: File download slows down to 0bps inside VE
Posted by [eliast](#) on Thu, 23 Aug 2007 21:36:42 GMT

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```
:/home/eliast# vzsplit -n 8
```

WARNING: Recommended minimal size of partition holding /mnt/stuff/vz/private/ is 20Gb!

WARNING: partition holding /mnt/stuff/vz/private/ do not have space required for 8 VEs

The maximum allowed value is 1

Default disk space values will be used

Same. Tried with 8, 16, 20, 64. Should I stop existing VEs?

Subject: Re: File download slows down to 0bps inside VE

Posted by [locutius](#) on Thu, 23 Aug 2007 23:14:36 GMT

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your /vz/private/ partition is under 20Gb?

that seems to be the problem

Subject: Re: File download slows down to 0bps inside VE

Posted by [eliast](#) on Mon, 27 Aug 2007 17:20:19 GMT

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I have an 1,4Gig partition for 3 VE's. I do not need more... They are mainly used for service separation and userdata is mounted from other storages...

Subject: Re: File download slows down to 0bps inside VE

Posted by [khorenko](#) on Tue, 16 Oct 2007 11:58:59 GMT

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Hello.

just found the solution for non-working vzsplit.

Please, check http://bugzilla.openvz.org/show_bug.cgi?id=702
