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% [>   ] 777,864   --.--K/s
ETA 10:08

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 vzsplit utility to output an 8 way split of your hardware. compare the output of vzsplit 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# vzsplit
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