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Subject: \*SOLVED\* Live-cd issues

Posted by [kingneutron](#) on Fri, 25 May 2007 06:20:51 GMT

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Update: I found this link:

[http://wiki.openvz.org/Resource\\_shortage](http://wiki.openvz.org/Resource_shortage)

--Issued (guest) ' cat /proc/user\_beancounters ' and noticed 13 failures for shmpages:

```
shmpages      8192    8192    8192    8192    13
```

--Issued (host) ' vzctl set 101 --shmpages \$((8192\*8)):\$((8192\*8)) --save '

Guest:

Knoppix:/proc# cat user\_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
101:	kmemsize	1236508	1577968	2752512	2936012	0
	lockedpages	0	0	32	32	0
	privvmpages	17368	20976	49152	53575	0
	shmpages	16706	17082	65536	65536	13

--Reran apt-get install and it went OK.

--Still dunno how to check disk-space from within guest tho, or why this resource mattered??

=====

Host: Dual-core Pentium-D @ 2660MHz with 2048MB RAM

--Using the latest OpenVZ/Knoppix Live-cd from lwn.net link  
( <http://lwn.net/Articles/234354/> )

( I have fairly extensive experience with vmware WS / server, but none so far with openvz except for what's on the CD and wiki )

Host:

- 1 vzctl create 101 --ostemplate debian-3.1-i386-minimal
- 2 vzctl start 101
- 3 vzctl exec 101 'ps ax'
- 4 echo 1 > /proc/sys/net/ipv4/ip\_forward
- 5 ifconfig
- 6 ifconfig -a
- 7 ifconfig venet0 up

```
8 ifconfig
9 vzctl set 101 --ipadd 192.168.2.227 --save
10 ping 192.168.2.227
```

In guest, I set up access to my local Squid proxy:

```
11 ping 192.168.2.250
12 export http_proxy=http://192.168.2.250:3128
13 export ftp_proxy=http://192.168.2.250:3128
14 apt-get update # Works OK
15 apt-get install joe mc screen
```

--Installing extra packages bombs out with "out of disk space" error.

```
[[
```

The following extra packages will be installed:

```
libc6 libglib2.0-0 libgpmg1 libncurses5 libncursesw5 libslang2
tzdata
```

Suggested packages:

```
locales glibc-doc gpm perl mime-support zip unzip bzip2 links
w3m lynx arj
```

Recommended packages:

```
libglib2.0-data
```

The following NEW packages will be installed:

```
joe libglib2.0-0 libgpmg1 libncursesw5 libslang2 mc screen
tzdata
```

The following packages will be upgraded:

```
libc6 libncurses5
```

2 upgraded, 8 newly installed, 0 to remove and 104 not upgraded.

Need to get 9737kB of archives.

After unpacking 12.0MB of additional disk space will be used.

Do you want to continue? [Y/n]

```
Get:1 http://ftp.freenet.de stable/main tzdata 2007b-1 [354kB]
```

```
Get:2 http://ftp.freenet.de stable/main libc6 2.3.6.ds1-13 [4700kB]
```

```
Get:3 http://ftp.freenet.de stable/main libncursesw5 5.5-5 [320kB]
```

```
Get:4 http://ftp.freenet.de stable/main screen 4.0.3-0.3+b1 [587kB]
```

```
Get:5 http://ftp.freenet.de stable/main libncurses5 5.5-5 [300kB]
```

```
Err http://ftp.freenet.de stable/main libncurses5 5.5-5
```

```
Error writing to output file - write (28 No space left on device)
```

```
Get:6 http://ftp.freenet.de stable/main libslang2 2.0.6-4 [415kB]
```

```
Err http://ftp.freenet.de stable/main libslang2 2.0.6-4
```

```
Error writing to output file - write (28 No space left on device)
```

```
Get:7 http://ftp.freenet.de stable/main libgpmg1 1.19.6-25 [50.9kB]
```

```
Err http://ftp.freenet.de stable/main libgpmg1 1.19.6-25
```

```
Error writing to output file - write (28 No space left on device)
```

```
Get:8 http://ftp.freenet.de stable/main joe 3.5-1.1 [368kB]
```

```
Err http://ftp.freenet.de stable/main joe 3.5-1.1
```

```
Error writing to output file - write (28 No space left on device)
```

```

Get:9 http://ftp.freenet.de stable/main libglib2.0-0 2.12.4-2 [504kB]
Err http://ftp.freenet.de stable/main libglib2.0-0 2.12.4-2
  Error writing to output file - write (28 No space left on device)
Get:10 http://ftp.freenet.de stable/main mc 1:4.6.1-6 [2137kB]
Err http://ftp.freenet.de stable/main mc 1:4.6.1-6
  Error writing to output file - write (28 No space left on device)
Fetched 5961kB in 22s (260kB/s)
Failed to fetch http://ftp.freenet.de/debian/pool/main/n/ncurses/libncurses5_5.5-5_i386.deb
Error writing to output file - write (28 No space left on device)
Failed to fetch http://ftp.freenet.de/debian/pool/main/s/slang2/libslang2_2.0.6-4_i386.deb Error
writing to output file - write (28 No space left on device)
Failed to fetch http://ftp.freenet.de/debian/pool/main/g/gpm/libgpm1_1.19.6-25_i386.deb
Error writing to output file - write (28 No space left on device)
Failed to fetch http://ftp.freenet.de/debian/pool/main/j/joe/joe_3.5-1.1_i386.deb Error writing to
output file - write (28 No space left on device)
Failed to fetch http://ftp.freenet.de/debian/pool/main/g/glib2.0/libglib2.0-0_2.12.4-2_i386.deb
Error writing to output file - write (28 No space left on device)
Failed to fetch http://ftp.freenet.de/debian/pool/main/m/mc/mc_4.6.1-6_i386.deb Error writing
to output file - write (28 No space left on device)
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
]]

```

df -a

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
simfs	1048576	0	1048576	0%	/
proc	0	0	-		/proc
sysfs	0	0	-		/sys
devpts	0	0	-		/dev/pts
tmpfs	1035264	0	1035264	0%	/dev/shm

mount

```

simfs on / type simfs (rw)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
devpts on /dev/pts type devpts (rw)
tmpfs on /dev/shm type tmpfs (rw)

```

--How do you tell how much disk space the guest has, from in-guest? Any advice? TIA

--BTW, I couldn't get networking in-guest when the openvz CD was booted from within vmware ws 5.5.4. This was all done after rebooting the livecd natively, on the bare HW.