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Subject: Re: PAE support inside VE

Posted by [eastitaly](#) on Thu, 14 Jan 2010 09:04:44 GMT

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Update:

Moved that VE on another HN with a new kernel, same distribution (CentOS 5.4 x86\_64) with 24 GB of RAM

uname -a

```
Linux zzzzzz 2.6.18-164.2.1.el5.028stab066.10 #1 SMP Sat Dec 12 18:52:53 MSK 2009 x86_64  
x86_64 x86_64 GNU/Linux
```

/proc/meminfo

```
MemTotal: 24624960 kB  
MemFree: 288368 kB  
Buffers: 1713548 kB  
Cached: 20170624 kB  
SwapCached: 0 kB  
Active: 5424216 kB  
Inactive: 17507444 kB  
HighTotal: 0 kB  
HighFree: 0 kB  
LowTotal: 24624960 kB  
LowFree: 288368 kB  
SwapTotal: 2097144 kB  
SwapFree: 2096976 kB  
Dirty: 1052500 kB  
Writeback: 140 kB  
AnonPages: 1048552 kB  
Mapped: 174452 kB  
Slab: 1310100 kB  
PageTables: 27180 kB  
NFS_Unstable: 0 kB  
Bounce: 0 kB  
CommitLimit: 14409624 kB  
Committed_AS: 7696144 kB  
VmallocTotal: 34359738364 kB  
VmallocUsed: 286208 kB  
VmallocChunk: 34359451720 kB  
HugePages_Total: 0  
HugePages_Free: 0  
HugePages_Rsvd: 0  
Hugepagesize: 2048 kB
```

VE reports:

/proc/meminfo

```
MemTotal: 4613120 kB  
MemTotal: 4613120 kB
```

```

MemFree:    2745300 kB
Buffers:    0 kB
Cached:     0 kB
SwapCached: 0 kB
Active:     0 kB
Inactive:   0 kB
HighTotal:  0 kB
HighFree:   0 kB
LowTotal:   4613120 kB
LowFree:    2745300 kB
SwapTotal:  0 kB
SwapFree:   0 kB
Dirty:      0 kB
Writeback:  0 kB
AnonPages:  0 kB
Mapped:     0 kB
Slab:       0 kB
PageTables: 0 kB
NFS_Unstable: 0 kB
Bounce:     0 kB
CommitLimit: 0 kB
Committed_AS: 0 kB
VmallocTotal: 0 kB
VmallocUsed: 0 kB
VmallocChunk: 0 kB
HugePages_Total: 0
HugePages_Free: 0
HugePages_Rsvd: 0
Hugepagesize: 2048 kB

```

/proc/user\_beancounters

resource	held	maxheld	barrier	limit	failcnt	
kmemsize	32875448	47104131	95000000	95000000	0	
lockedpages	0	7	256	256	0	
privvmpages	540234	824747	1310720	1310720	0	
shmpages	2576	2912	21504	21504	0	
dummy	0	0	0	0	0	
numproc	186	248	880	880	0	
physpages	148452	256702	0	9223372036854775807	0	
vmguarpages	0	0	524288	9223372036854775807	0	
oomguarpages	148452	256702	26112	9223372036854775807	0	
numtcpsock	149	278	1000	1000	0	
numflock	6	30	188	206	0	
numpty	1	1	16	16	0	
numsiginfo	0	49	384	384	0	
tcpsndbuf	1231840	3433336	8800000	11360000	0	
tcprcvbuf	1245280	1990232	10000000	12560000	0	
othersockbuf	148384	798960	2831155	3752755	0	

dgramrcvbuf	0	133424	330000	330000	0
numothersock	87	122	360	360	0
dcachesize	2986196	3179234	6446000	11520000	0
numfile	6381	9414	30000	30000	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	29	29	128	128	0

1310720 4K-pages equals exactly 5G (or 5242880 kB), instead of the 4613120 kB reported by /proc/meminfo.

Problem NOT solved...

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