
Subject: Re: max number of VE
Posted by [yahbluez](#) on Tue, 28 Aug 2007 12:31:52 GMT
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Same Problem.

I put together all informations:

Dell PE2950, 16GB RAM, 750GB HD, dual E5310
Debian ETCH AMD64 (aka x86_64)

The VE OS is a minimal debian etch.
I try to run 100 instances.

The conf file:

```
# Primary parameters
AVNUMPROC="40:50"
NUMPROC="80:80"
NUMTCPSOCK="60:80"
NUMOTHERSOCK="60:80"
VMGUARPAGES="1725:9223372036854775807"

# Secondary parameters
KMEMSIZE="524288:589824"
TCPSNDBUF="32768:65536"
TCPRCVBUF="32768:65536"
OTHERSOCKBUF="32768:65536"
DGRAMRCVBUF="32768:32768"
OOMGUARPAGES="1725:9223372036854775807"

# Auxiliary parameters
LOCKEDPAGES="4:4"
SHMPAGES="1152:1152"
PRIVVMPAGES="20480:40960"
NUMFILE="512:512"
NUMFLOCK="50:60"
NUMPTY="4:4"
NUMSIGINFO="256:256"
DCACHESIZE="196608:202752"
PHYSAPAGES="0:9223372036854775807"
NUMIPTENT="16:16"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="204800:204800"
DISKINODES="80000:88000"
QUOTATIME="0"
```

```
# CPU fair sheduler parameter
CPUUNITS="4000"
```

```
ncl0:~/bin# vzmemcheck -v
Output values in %
```

veid	LowMem util	LowMem commit	RAM util	MemSwap commit	MemSwap util	MemSwap commit	Alloc limit	Alloc	Alloc
148	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.50	
147	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.50	

% and so on all the same

103	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.50	
102	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.50	
101	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.50	
100	0.00	0.01	0.00	0.00	0.02	0.00	0.02	0.50	

```
-----
Summary: 0.10 0.60 0.25 0.12 1.14 0.16 1.14 24.31
```

user_beans:

0: kmemsize	15036287	16002019	9223372036854775807
9223372036854775807	0		
lockedpages	0	5205	9223372036854775807
9223372036854775807	0		
privvmpages	4387	14309	9223372036854775807
9223372036854775807	0		
shmpages	1292	1308	9223372036854775807
9223372036854775807	0		
dummy	0	0	9223372036854775807 9223372036854775807
0			
numproc	474	483	9223372036854775807
9223372036854775807	0		
physpages	2076	3635	9223372036854775807
9223372036854775807	0		
vmguarpages	0	0	9223372036854775807
9223372036854775807	0		
oomguarpages	2076	3635	9223372036854775807
9223372036854775807	0		
numtcpsock	3	4	9223372036854775807
9223372036854775807	0		
numflock	1	5	9223372036854775807 9223372036854775807
0			
numpty	2	2	9223372036854775807 9223372036854775807
0			
numsiginfo	0	3	9223372036854775807 9223372036854775807

```

0
tcpsndbuf      89776      89776 9223372036854775807
9223372036854775807 0
tcprcvbuf     49152      0 9223372036854775807
9223372036854775807 0
othersockbuf  9248      17536 9223372036854775807
9223372036854775807 0
dgramrcvbuf   0          8456 9223372036854775807
9223372036854775807 0
numothersock  31         37 9223372036854775807
9223372036854775807 0
dcachesize    0          0 9223372036854775807 9223372036854775807
0
numfile       7730      7881 9223372036854775807
9223372036854775807 0
dummy         0          0 9223372036854775807 9223372036854775807
0
dummy         0          0 9223372036854775807 9223372036854775807
0
dummy         0          0 9223372036854775807 9223372036854775807
0
numiptent     10         10 9223372036854775807
9223372036854775807 0

```

look this:

```

ncl0:~/bin# cat /proc/user_beancounters |grep kmemsize
148: kmemsize      120682      585476      524288      589824
295
147: kmemsize      115675      585510      524288      589824
193
146: kmemsize      128874      581253      524288      589824
354
145: kmemsize      129785      584720      524288      589824
228
144: kmemsize      125069      583757      524288      589824
174
143: kmemsize      119771      585504      524288      589824
288
142: kmemsize      116586      583821      524288      589824
229
141: kmemsize      117497      579133      524288      589824
233
140: kmemsize      127052      584584      524288      589824
220
139: kmemsize      128874      580862      524288      589824

```

199				
138: kmemsize	112490	584841	524288	589824
219				
137: kmemsize	124778	582395	524288	589824
213				
136: kmemsize	124778	583811	524288	589824
204				
135: kmemsize	127884	583898	524288	589824
159				
134: kmemsize	129165	584182	524288	589824
191				
133: kmemsize	125689	583081	524288	589824
206				
132: kmemsize	115675	585694	524288	589824
266				
131: kmemsize	128874	579133	524288	589824
219				
130: kmemsize	120682	583053	524288	589824
188				
129: kmemsize	134172	583344	524288	589824
205				
128: kmemsize	111579	585079	524288	589824
253				
127: kmemsize	129785	585966	524288	589824
327				
126: kmemsize	123247	584126	524288	589824
150				
125: kmemsize	124778	585504	524288	589824
224				
124: kmemsize	122956	582856	524288	589824
188				
123: kmemsize	124778	585712	524288	589824
226				
122: kmemsize	129785	579400	524288	589824
185				
121: kmemsize	120682	584060	524288	589824
222				
120: kmemsize	124778	583717	524288	589824
440				
119: kmemsize	121757	585031	524288	589824
226				
118: kmemsize	119771	579178	524288	589824
219				
117: kmemsize	123867	581009	524288	589824
185				
116: kmemsize	123867	584153	524288	589824
209				
115: kmemsize	128874	584850	524288	589824

253				
114: kmemsize	116586	578780	524288	589824
275				
113: kmemsize	120973	578253	524288	589824
197				
112: kmemsize	127963	582059	524288	589824
198				
111: kmemsize	121593	580768	524288	589824
188				
110: kmemsize	212967	585631	524288	589824
341				
109: kmemsize	120973	582570	524288	589824
210				
108: kmemsize	121593	580015	524288	589824
327				
107: kmemsize	204781	584593	524288	589824
766				
106: kmemsize	317829	584358	524288	589824
933				
105: kmemsize	223235	584286	524288	589824
384				
104: kmemsize	124796	584969	524288	589824
640				
103: kmemsize	128874	584806	524288	589824
210				
102: kmemsize	128874	584355	524288	589824
182				
101: kmemsize	118860	584659	524288	589824
228				
100: kmemsize	132970	578085	524288	589824
186				
0: kmemsize	15131641	16243985	9223372036854775807	
9223372036854775807	0			

I've no idea who eats all the kmem.

thc
yahbluez