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Subject: Re: max number of VE  
Posted by [yahbluez](#) on Wed, 29 Aug 2007 15:59:12 GMT  
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I mean the openvz did not start more than 49 instances.

Please looke here:

I first run 10 Ves than add 30 add up to 49

and than when i try to strat VE nummber 50 it will not do that.

I got an error message at syslog. I have 100 identical Ves atthe stoarge so not working ist not based on the expliziet number of the instance. When i have 49 running i can't start more VEs.

I still don't see which limit i oversize, maybe someone here sees it:

no VE started

Version: 2.5

uid resource	held	maxheld	barrier	limit	failcnt
0: kmemsize	5148172	9474391	9223372036854775807		
9223372036854775807	0				
lockedpages	0	5203	9223372036854775807		
9223372036854775807	0				
privvmpages	3190	14306	9223372036854775807		
9223372036854775807	0				
shmpages	652	668	9223372036854775807		
9223372036854775807	0				
dummy	0	0	9223372036854775807	9223372036854775807	
0					
numproc	79	140	9223372036854775807		
9223372036854775807	0				
physpages	1667	3628	9223372036854775807		
9223372036854775807	0				
vmguarpages	0	0	9223372036854775807		
9223372036854775807	0				
oomguarpages	1667	3628	9223372036854775807		
9223372036854775807	0				
numtcpsock	2	2	9223372036854775807		
9223372036854775807	0				
numflock	1	6	9223372036854775807	9223372036854775807	
0					
numpty	1	1	9223372036854775807	9223372036854775807	
0					
numsiginfo	0	3	9223372036854775807	9223372036854775807	
0					
tcpwndbuf	43336	43336	9223372036854775807		
9223372036854775807	0				
tcprcvbuf	32768	0	9223372036854775807		
9223372036854775807	0				

othersockbuf	9248	27856	9223372036854775807
9223372036854775807	0		
dgramrcvbuf	0	8456	9223372036854775807
9223372036854775807	0		
numothersock	31	37	9223372036854775807
9223372036854775807	0		
dcachesize	0	0	9223372036854775807 9223372036854775807
0			
numfile	1352	2259	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		
10 VEs running			
0: kmemsize	6690269	9474391	9223372036854775807
9223372036854775807	0		
lockedpages	0	5203	9223372036854775807
9223372036854775807	0		
privvmpages	3191	14306	9223372036854775807
9223372036854775807	0		
shmpages	652	668	9223372036854775807
9223372036854775807	0		
dummy	0	0	9223372036854775807 9223372036854775807
0			
numproc	159	167	9223372036854775807
9223372036854775807	0		
physpages	1668	3628	9223372036854775807
9223372036854775807	0		
vmguarpages	0	0	9223372036854775807
9223372036854775807	0		
oomguarpages	1668	3628	9223372036854775807
9223372036854775807	0		
numtcpsock	2	3	9223372036854775807
9223372036854775807	0		
numflock	1	6	9223372036854775807 9223372036854775807
0			
numpty	1	1	9223372036854775807 9223372036854775807
0			
numsiginfo	0	3	9223372036854775807 9223372036854775807
0			
tcpsndbuf	64936	64936	9223372036854775807

9223372036854775807	0	
tcprcvbuf	32768	0 9223372036854775807
9223372036854775807	0	
othersockbuf	9248	27856 9223372036854775807
9223372036854775807	0	
dgramrcvbuf	0	8456 9223372036854775807
9223372036854775807	0	
numothersock	31	37 9223372036854775807
9223372036854775807	0	
dcachesize	0	0 9223372036854775807 9223372036854775807
0		
numfile	2657	2756 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	
40 VEs running		
0: kmemsize	11494115	12172126 9223372036854775807
9223372036854775807	0	
lockedpages	0	5203 9223372036854775807
9223372036854775807	0	
privvmpages	3192	16012 9223372036854775807
9223372036854775807	0	
shmpages	652	668 9223372036854775807
9223372036854775807	0	
dummy	0	0 9223372036854775807 9223372036854775807
0		
numproc	407	415 9223372036854775807
9223372036854775807	0	
physpages	1672	3628 9223372036854775807
9223372036854775807	0	
vmguarpages	0	0 9223372036854775807
9223372036854775807	0	
oomguarpages	1672	3628 9223372036854775807
9223372036854775807	0	
numtcpsock	2	3 9223372036854775807
9223372036854775807	0	
numflock	1	6 9223372036854775807 9223372036854775807
0		
numpty	1	1 9223372036854775807 9223372036854775807
0		
numsiginfo	0	3 9223372036854775807 9223372036854775807

0		
tcpsndbuf	80264	80264 9223372036854775807
9223372036854775807	0	
tcprcvbuf	32768	0 9223372036854775807
9223372036854775807	0	
othersockbuf	9248	27856 9223372036854775807
9223372036854775807	0	
dgramrcvbuf	0	8456 9223372036854775807
9223372036854775807	0	
numothersock	31	37 9223372036854775807
9223372036854775807	0	
dcachesize	0	0 9223372036854775807 9223372036854775807
0		
numfile	6600	6745 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	

ncl0:~/bin# vzmemcheck

Output values in %

LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
util	commit	util	util	commit	util	commit	limit
0.33	2.79	0.69	0.34	1.41	0.49	1.41	20.80

48 VEs running

0: kmemsize	12724009	13937184 9223372036854775807
9223372036854775807	0	
lockedpages	0	5203 9223372036854775807
9223372036854775807	0	
privvmpages	3192	16012 9223372036854775807
9223372036854775807	0	
shmpages	652	668 9223372036854775807
9223372036854775807	0	
dummy	0	0 9223372036854775807 9223372036854775807
0		
numproc	471	483 9223372036854775807
9223372036854775807	0	
physpages	1672	3628 9223372036854775807
9223372036854775807	0	
vmguarpages	0	0 9223372036854775807
9223372036854775807	0	
oomguarpages	1672	3628 9223372036854775807

9223372036854775807	0	
numtcpsock	2	3 9223372036854775807
9223372036854775807	0	
numflock	1	6 9223372036854775807 9223372036854775807
0		
numpty	1	1 9223372036854775807 9223372036854775807
0		
numsiginfo	0	3 9223372036854775807 9223372036854775807
0		
tcpsndbuf	80264	80264 9223372036854775807
9223372036854775807	0	
tcprcvbuf	32768	0 9223372036854775807
9223372036854775807	0	
othersockbuf	9248	27856 9223372036854775807
9223372036854775807	0	
dgramrcvbuf	0	8456 9223372036854775807
9223372036854775807	0	
numothersock	31	37 9223372036854775807
9223372036854775807	0	
dcachesize	0	0 9223372036854775807 9223372036854775807
0		
numfile	7626	7852 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	

ncl0:~/bin# vzmemcheck

Output values in %

LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
util	commit	util	util	commit	util	commit	limit
0.39	3.34	0.82	0.41	1.68	0.59	1.68	24.85

ncl0:~/bin# vzcpucheck

Current CPU utilization: 197000

Power of the node: 657217

Try to start VE 49:

Starting VPS ...

VPS is mounted

env\_create error: Resource temporarily unavailable

VPS start failed

/var/log/syslog tells me:

Aug 29 17:52:02 ncl0 kernel: VE: 149: stopped

Aug 29 17:52:02 ncl0 kernel: VE: 149: failed to start with err=-11

ncl0:~/bin# uname -a

Linux ncl0 2.6.18-openvz-12-1etch1-amd64 #1 SMP Fri May 4 23:37:24 MSD 2007 x86\_64  
GNU/Linux