
Subject: Help configure VPS

Posted by [mawerick](#) on Wed, 12 Sep 2012 20:52:32 GMT

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Hello,

I am pretty new user of OpenVZ. Therefore, I am having problems setting up my hosting. I went through the forum topics and saw that there is tons of information out there, but I am afraid I will not be able to do without your help.

First of all, I would like to make clear the hardware I am using:

Operating System: CentOS 5 - 32-BIT

RAM/Memory: 1GB DDR2

CPU: Celeron D 347 3.6ghz

I would like to run 1 VPS on the host machine. I would like this VPS to run with 512MB of RAM.

This VPS is intended to host several web sites. All the sites together receive 10k visit per day.

They are photo blogs. I would like to mention that the bandwidth of the sites is pretty high - 2-3TB per month.

The problem is:

Pretty often, when I run a command, I get the followin error:

-bash: fork: Cannot allocate memory

I get this error when I run a simple command, as simple as TOP. Meanwhile, the VPS indicates that it has enough free memory. Accordint to the VPS statistics, it consumes average of 200MB RAM memory. When I created the VPS, I configured it to be with 678MB.

Here is what the cat /proc/user_beancounters command shows:

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
101:	kmemsize	10526958	15413641	15372700	15790164	367864
	lockedpages	0	3	2048	2048	0
	privvmpages	70849	160439	163840	196608	37579
	shmpages	1037	1709	21504	21504	0
	dummy	0	0	0	0	0
	numproc	101	156	240	240	0
	physpages	32729	69599	0	2147483647	0
	vmguarpages	0	0	163840	163840	0
	oomguarpages	32729	69599	163840	163840	0
	numtcpsock	30	360	360	360	8
	numflock	2	73	188	206	0
	numpty	1	2	16	16	0
	numsiginfo	0	105	256	256	0
	tcpsndbuf	385968	1942388	1720320	2703360	542372255
	tcprcvbuf	214756	2269844	1720320	2703360	2340
	othersockbuf	21024	232184	1126080	2097152	0
	dgramrcvbuf	0	261080	262144	262144	239
	numothersock	19	65	360	360	0
	dcachesize	0	0	3409920	3624960	0

numfile	1513	2560	9312	9312	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	20	20	128	128	0
0: kmemsize	6214453	7351695	2147483647	2147483647	0
lockedpages	8898	8898	2147483647	2147483647	0
privvmpages	32792	41673	2147483647	2147483647	0
shmpages	665	1673	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
numproc	100	116	2147483647	2147483647	0
physpages	15848	22889	2147483647	2147483647	0
vmguarpages	0	0	2147483647	2147483647	0
oomguarpages	15867	22908	2147483647	2147483647	0
numtcpsock	5	9	2147483647	2147483647	0
numflock	6	10	2147483647	2147483647	0
numpty	1	2	2147483647	2147483647	0
numsiginfo	1	7	2147483647	2147483647	0
tcpsndbuf	56100	105252	2147483647	2147483647	0
tcprcvbuf	81920	214168	2147483647	2147483647	0
othersockbuf	92004	123396	2147483647	2147483647	0
dgramrcvbuf	0	8388	2147483647	2147483647	0
numothersock	79	93	2147483647	2147483647	0
dcachesize	0	0	2147483647	2147483647	0
numfile	1974	3149	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
numiptent	20	20	2147483647	2147483647	0

My VPS has na ID of 101.

Please, give me some advice and tell me what settings I should change in order the VPS to be OK.

Thanks in advance!

Subject: Re: Help configure VPS

Posted by [mawerick](#) on Thu, 13 Sep 2012 21:42:39 GMT

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Subject: Re: Help configure VPS

Posted by [dzimi](#) on Fri, 14 Sep 2012 06:37:35 GMT

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Switch to CentOS 6 and RHEL6 kernel

Subject: Re: Help configure VPS

Posted by [mawerick](#) on Fri, 14 Sep 2012 08:02:06 GMT

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Is this the only option?

I think the VPS is not configured properly.

Subject: Re: Help configure VPS

Posted by [dzimi](#) on Fri, 14 Sep 2012 11:14:09 GMT

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Well, with 2.6.32 memory management is easier than is with 2.6.18.

With 2.6.32 you'll need to set every option to unlimited without physpages and swappages.

Then kernel will play automaticaly with other parameters.

Subject: Re: Help configure VPS

Posted by [mawerick](#) on Fri, 14 Sep 2012 11:17:27 GMT

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I understand, but I use Kloxo for control panel, which is not supported with centos 6.x

So I think to set manual this options.
