
Subject: VM memory settings

Posted by [tradmin](#) on Wed, 04 Nov 2009 21:58:28 GMT

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Hello

I ran into an issue where the VM errors out with

-bash: fork: Cannot allocate memory

From this output it looks like it's running out of memory or the host is limiting the amount of ram that can be used.

This is a 4GB server I'd like to be able to give this VM 3GB.

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt	
11:	kmemsize	12194045	13709435	12752512	12752512		181
	lockedpages	0	0	256	256	3	
	privvmpages	156501	314456	786432	786432		841
	shmpages	6917	17130	21504	21504	0	
	dummy	0	0	0	0		
	numproc	238	240	240	240	74707	
	physpages	85310	223632	0	2147483647		0
	vmguarpages	0	0	786432	786432		0
	oomguarpages	85438	223761	786432	786432		0
	numtcpsock	151	360	360	360	26568	
	numflock	4	8	188	206	0	
	numpty	6	11	16	16	0	
	numsiginfo	0	55	256	256	0	
	tcpsndbuf	232544	1480232	1720320	2703360		0
	tcprcvbuf	213304	1711952	1720320	2703360		0
	othersockbuf	205692	679108	1126080	2097152		0
	dgramrcvbuf	0	25140	262144	262144		0
	numothersock	196	400	400	720	1559	
	dcachesize	333161	499043	3409920	3624960		0
	numfile	4764	5293	9312	9312	0	
	dummy	0	0	0	0		
	dummy	0	0	0	0		
	dummy	0	0	0	0		
	numiptent	14	14	128	128	0	

VEID CPUUNITS

0 1000

10 50000

11 250000

Current CPU utilization: 301000

Power of the node: 613169

Thanks for the help

Subject: Re: VM memory settings
Posted by [tradmin](#) on Wed, 04 Nov 2009 22:00:07 GMT
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Better formatting <http://pastie.org/684002>

Subject: Re: VM memory settings
Posted by [maratrus](#) on Fri, 06 Nov 2009 11:43:52 GMT
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Hi,

I would recommend you to pay attention at the last column.
The constantly increasing failcounters indicate that your VE has lack of resources.
You can read wiki pages about managing them
<http://wiki.openvz.org/UBC>