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Subject: **\*SOLVED\*** Problem with restarting services  
Posted by [Achmed](#) on Mon, 05 Mar 2007 10:48:34 GMT  
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Hi,  
today i have set up my first VE on a "real" server.  
I set:  
--ostemplate opensuse-10-x86\_64-default --config vps.basic  
--vmguarpages 128M:2147483647  
--privvmpages 256M:266M  
--diskspace 5120M:5220M  
When i try to restart ssh i get a:  
# /etc/init.d/sshd restart  
Shutting down SSH daemon done  
Starting SSH daemonstartproc: cannot stat /proc/15428/exe: Permission denied  
failed

But its running.  
/etc/init.d/sshd status gives a "running"

Same problem with Apache.  
First start works fine, but a restart gives:  
# /etc/init.d/apache2 restart  
/etc/rc.status: fork: Cannot allocate memory  
/etc/rc.status: line 43: test: -eq: unary operator expected  
/etc/rc.status: line 44: test: -eq: unary operator expected  
/usr/share/apache2/get\_module\_list: fork: Cannot allocate memory  
Warning: no MPM found. Some modules are dependant on the type of MPM.  
Module "cgi" is not installed, ignoring.  
Check the APACHE\_MODULES setting in /etc/sysconfig/apache2.  
Module "ssl" is not installed, ignoring.  
Check the APACHE\_MODULES setting in /etc/sysconfig/apache2.  
/usr/share/apache2/get\_includes: fork: Cannot allocate memory  
Warning: no MPM found. Some modules are dependant on the type of MPM.  
/etc/rc.status: fork: Cannot allocate memory  
/etc/rc.status: line 43: test: -eq: unary operator expected  
/etc/rc.status: line 44: test: -eq: unary operator expected  
/etc/init.d/apache2: fork: Cannot allocate memory  
/usr/share/apache2/get\_includes: fork: Cannot allocate memory  
httpd2-worker: Could not determine the server's fully qualified domain name, using 127.0.0.1 for ServerName  
Syntax OK  
/etc/rc.status: fork: Cannot allocate memory  
/etc/rc.status: line 43: test: -eq: unary operator expected  
/etc/rc.status: line 44: test: -eq: unary operator expected  
/etc/init.d/apache2: fork: Cannot allocate memory  
doneting down httpd2 (waiting for all children to terminate)  
Starting httpd2 (worker) httpd2-worker: Could not determine the server's fully qualified domain name, using 127.0.0.1 for ServerName

startproc: cannot stat /proc/15636/exe: Permission denied  
done

And again...its running.

Anybody an idea, whats wrong?  
Do i have to give more ram to the VE?  
I thought, 128-256 should be enough.  
And why do i get a "permission denied" ?

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Subject: Re: Problem with restarting services  
Posted by [Achmed](#) on Mon, 05 Mar 2007 13:24:46 GMT  
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Ok, i found out, whats wrong.  
The VE always rans out of memory.  
This also happens, if i do not set anything exept diskspace, or if i set vmguarpages 512M.  
user\_beancounters:

uid	resource	held	maxheld	barrier	limit	failcnt
101:	kmemsize	592549	3021049	5242880	5592405	
0						
	lockedpages	0	0	32	32	0
	privvmpages	1914	65729	35000	38181	
211						
	shmpages	0	705	8192	8192	0
	dummy	0	0	0	0	0
	numproc	5	65	65	65	52
	physpages	623	11594	0	9223372036854775807	
0						
	vmguarpages	0	0	6144	9223372036854775807	
0						
	oomguarpages	623	11594	6144	9223372036854775807	
0						
	numtcpsock	2	6	80	80	0
	numflock	1	7	100	110	0
	numpty	0	2	16	16	0
	numsiginfo	0	14	256	256	0
	tcpndbuf	0	32144	319488	524288	0
	tcpvbuf	0	340104	319488	524288	
122						
	othersockbuf	2296	13808	132096	336896	
0						
	dgramrcvbuf	0	8440	132096	132096	0
	numothersock	1	7	80	80	0
	dcachesize	0	0	1048576	1097728	0
	numfile	140	1165	2048	2048	0
	dummy	0	0	0	0	0
	dummy	0	0	0	0	0

dummy	0	0	0	0	0
numiptent	10	10	128	128	0

Any ideas, how to solve this problem?

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Subject: Re: Problem with restarting services

Posted by [Vasily Tarasov](#) on Mon, 05 Mar 2007 16:05:13 GMT

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privvmpages	1914	65729	35000	38181	211
numproc	5	65	65	65	52
tcprcvbuf	0	340104	319488	524288	122

As u can see the limits/barriers for parameters above are too low. Please, increase them using `vzctl set` command. Additional information at [http://wiki.openvz.org/Resource\\_shortage](http://wiki.openvz.org/Resource_shortage)

HTH,  
Vasily

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Subject: Re: Problem with restarting services

Posted by [Achmed](#) on Mon, 05 Mar 2007 16:49:48 GMT

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I increased numproc up to 150 and it works.

Thanks a lot.

I thought the problem was only privvmpages, because of the "cannot allocate memory".

What would be a good number of numproc's to set to?

And how big should i set tcprcvbuf ?

For a VE, running an Apache,MySQL and PHP.

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Subject: Re: Problem with restarting services

Posted by [Vasily Tarasov](#) on Mon, 05 Mar 2007 16:53:42 GMT

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It's hard to estimate. Just run your VEs and if you'll encounter failcounters - increase limits/barriers.

Good luck.

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Subject: Re: \*SOLVED\* Problem with restarting services  
Posted by [Achmed](#) on Tue, 06 Mar 2007 09:39:15 GMT  
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Oki,  
Thanks

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