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 worls 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" ?

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
	tcpsndbuf	0	32144	319488	524288	0
	tcprcvbuf	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?

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

HTH,
Vasily

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.

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.

Posted by Achmed on Tue, 06 Mar 2007 09:39:15 GMT

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Oki,
Thanks