
Subject: problem with memory on new vps
Posted by [pppy](#) on Tue, 30 Jan 2007 10:16:47 GMT
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I get some trouble with my new VPS.

```
server use
# uname -a
Linux 2.6.8-022stab078.10-enterprise #1 SMP Wed Jun 21 12:20:51 MSD 2006 i686 i686 i386
GNU/Linux
```

vps is CentOS with apache, mysqld, php and vsftpd

We have 5 vps on this server and they work ok. But my new vps crashes every day with memory.
It runs ok after restart by `#vzctl stop 104`

That's what I get when server crashes:

on vps ssh login: (some times I can't login by ssh on vps)

```
-----
Last login: Mon Jan 29 11:07:39 2007
id: error while loading shared libraries: libc.so.6: failed to map segment from shared object:
Cannot allocate memory
-bash: [: =: unary operator expected
/bin/hostname: error while loading shared libraries: libc.so.6: failed to map segment from shared
object: Cannot allocate memory
dircolors: error while loading shared libraries: libc.so.6: failed to map segment from shared object:
Cannot allocate memory
-----
```

on main server

```
-----
#/usr/sbin/vzctl exec 104 service sshd status
bash: error while loading shared libraries: libtermcap.so.2: failed to map segment from shared
object: Cannot allocate memory
-----
```

I made search on forum and found only this thread
http://forum.openvz.org/index.php?t=tree&goto=8153&&srch=libtermcap#msg_8153
but I don't have `mod_secure` in apache

pls help.

Subject: Re: problem with memory on new vps
Posted by [pppy](#) on Tue, 30 Jan 2007 10:18:36 GMT
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btw dmesg is empty
I didn't find something interesting in /var/log/messages

Subject: Re: problem with memory on new vps
Posted by [rickb](#) on Tue, 30 Jan 2007 10:31:39 GMT
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in HN:

cat /proc/user_beancounters

Paste results here if you are not sure how to interpret them.

Subject: Re: problem with memory on new vps
Posted by [pppy](#) on Tue, 30 Jan 2007 11:14:07 GMT
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rickb wrote on Tue, 30 January 2007 05:31in HN:

cat /proc/user_beancounters

Paste results here if you are not sure how to interpret them.

```
# cat /proc/user_beancounters
Version: 2.5
```

uid	resource	held	maxheld	barrier	limit	failcnt
0:	kmemsize	15425678	27306837	2147483647	2147483647	0
	lockedpages	0	0	2147483647	2147483647	0
	privvmpages	44958	141933	2147483647	2147483647	0
	shmpages	17280	41600	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	numproc	125	171	2147483647	2147483647	0
	physpages	12369	36506	2147483647	2147483647	0
	vmguarpages	0	0	2147483647	2147483647	0
	oomguarpages	15669	39639	2147483647	2147483647	0
	numtcpsock	91	4091	2147483647	2147483647	0
	numflock	5	15	2147483647	2147483647	0
	numpty	1	3	2147483647	2147483647	0
	numsiginfo	0	4	2147483647	2147483647	0

tcpsndbuf	11435616	475908164	2147483647	2147483647	0
tcprcvbuf	38484	4309308	2147483647	2147483647	0
othersockbuf	20052	5740724	2147483647	2147483647	0
dgramrcvbuf	0	81244	2147483647	2147483647	0
numothersock	25	53	2147483647	2147483647	0
dcachesize	1520023	2061879	2147483647	2147483647	0
numfile	500	2248	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
numiptent	15	16	2147483647	2147483647	0
100: kmemsize	5281440	11010564	24000000	32000000	0
lockedpages	0	0	32	32	0
privvmpages	92998	128308	200000	260000	24943
shmpages	39	39	8192	8192	0
dummy	0	0	0	0	0
numproc	79	203	400	400	0
physpages	28153	42014	0	2147483647	0
vmguarpages	0	0	31000	2147483647	0
oomguarpages	59620	71803	50000	50000	0
numtcpsock	19	88	300	300	0
numflock	29	34	100	110	0
numpty	0	0	16	16	0
numsiginfo	0	9	256	256	0
tcpsndbuf	26404	1171444	8000000	12000000	0
tcprcvbuf	4276	974928	6000000	10000000	0
othersockbuf	17824	61152	132096	336896	651
dgramrcvbuf	0	51312	132096	132096	0
numothersock	19	110	200	200	107
dcachesize	269780	465011	1048576	1097728	0
numfile	766	2132	4096	4096	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
101: kmemsize	12869837	33692925	48000000	64000000	0
lockedpages	0	0	32	32	0
privvmpages	150998	300619	1000000	2000000	0
shmpages	650	1802	8192	8192	0
dummy	0	0	0	0	0
numproc	174	421	600	600	888
physpages	73730	151708	0	2147483647	0
vmguarpages	0	0	300000	2147483647	0
oomguarpages	78363	154101	1000000	2147483647	0
numtcpsock	188	739	1000	1100	0
numflock	34	130	200	210	2456779
numpty	0	1	16	16	0
numsiginfo	1	241	256	256	1294

tcpsndbuf	4113556	32247628	32000000	48000000	236404
tcprcvbuf	25656	1877164	6000000	10000000	0
othersockbuf	13368	205432	1000000	4000000	0
dgramrcvbuf	0	59864	132096	132096	242
numothersock	10	55	200	200	3
dcachesize	663828	870036	4000000	8000000	0
numfile	2103	4038	16000	16000	60073
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	10	10	128	128	0
102: kmemsize	2382012	16003918	16000000	32000000	45549
lockedpages	0	0	32	32	0
privvmpages	23780	112051	100000	120000	4792
shmpages	14	670	8192	8192	0
dummy	0	0	0	0	0
numproc	29	211	400	400	0
physpages	12397	39189	0	2147483647	0
vmguarpages	0	0	31000	2147483647	0
oomguarpages	13694	40218	50000	2147483647	0
numtcpsock	8	214	300	300	248942
numflock	3	19	100	110	0
numpty	0	2	16	16	0
numsiginfo	0	34	256	256	0
tcpsndbuf	163848	8071768	8000000	10000000	115158
tcprcvbuf	0	808164	8000000	10000000	0
othersockbuf	2228	22280	132096	336896	0
dgramrcvbuf	0	12828	132096	132096	0
numothersock	5	14	200	200	0
dcachesize	96503	230091	1048576	1097728	0
numfile	221	509	4096	4096	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
103: kmemsize	2804799	5401309	16000000	32000000	0
lockedpages	0	0	32	32	0
privvmpages	34664	56081	1000000	2000000	0
shmpages	167	2215	8192	8192	0
dummy	0	0	0	0	0
numproc	29	65	65	65	12261
physpages	10255	26653	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	13585	36639	1000000	2147483647	0
numtcpsock	9	80	80	80	532525
numflock	3	31	100	110	0
numpty	0	2	16	16	0
numsiginfo	0	13	256	256	0

tcpsndbuf	14600	1202304	8000000	10000000	0
tcprcvbuf	0	290768	8000000	10000000	0
othersockbuf	2228	22280	132096	336896	452
dgramrcvbuf	0	29932	1000000	2000000	0
numothersock	5	32	80	80	0
dcachesize	107338	230748	1048576	1097728	0
numfile	261	1369	16000	16000	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
104: kmemsize	1829120	2377631	2752512	2936012	0
lockedpages	0	0	32	32	0
privvmpages	34261	51577	49152	53575	1280
shmpages	679	1335	8192	8192	0
dummy	0	0	0	0	0
numproc	30	37	65	65	0
physpages	7838	23258	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	7932	30650	6144	2147483647	0
numtcpsock	6	14	80	80	0
numflock	6	10	100	110	0
numpty	1	2	16	16	0
numsiginfo	0	29	256	256	0
tcpsndbuf	2228	138136	319488	524288	0
tcprcvbuf	0	320700	319488	524288	1
othersockbuf	4456	124860	132096	336896	94
dgramrcvbuf	0	8372	132096	132096	0
numothersock	6	17	80	80	0
dcachesize	121114	184970	1048576	1097728	0
numfile	326	447	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
111: kmemsize	1557853	4195899	16000000	32000000	0
lockedpages	0	0	32	32	0
privvmpages	12278	33537	1000000	2000000	0
shmpages	7	663	8192	8192	0
dummy	0	0	0	0	0
numproc	19	50	65	65	17
physpages	5015	11187	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	6392	12550	1000000	2147483647	0
numtcpsock	4	80	80	80	38
numflock	3	10	100	110	0
numpty	0	2	16	16	0
numsiginfo	0	10	256	256	0

tcpsndbuf	0	2878576	8000000	10000000	0
tcprcvbuf	0	491740	8000000	10000000	0
othersockbuf	2228	7376	132096	336896	0
dgramrcvbuf	0	8552	1000000	2000000	0
numothersock	5	13	80	80	0
dcachesize	87248	137470	1048576	1097728	0
numfile	225	399	16000	16000	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
200: kmemsize	6917273	10455646	64000000	96000000	0
lockedpages	0	0	32	32	0
privvmpages	97833	141553	1000000	2000000	0
shmpages	1959	1975	8192	8192	0
dummy	0	0	0	0	0
numproc	90	155	400	400	0
physpages	25592	51630	0	2147483647	0
vmguarpages	0	0	31000	2147483647	0
oomguarpages	49391	73574	50000	2147483647	0
numtcpsock	46	230	300	300	0
numflock	29	33	100	110	0
numpty	5	5	16	16	0
numsiginfo	0	19	256	256	0
tcpsndbuf	487932	3629192	16000000	24000000	0
tcprcvbuf	3814788	4004276	4000000	8000000	41735
othersockbuf	28528	61476	132096	336896	3301
dgramrcvbuf	0	239456	1000000	2000000	0
numothersock	18	70	200	200	696
dcachesize	363260	927338	1048576	1097728	0
numfile	1049	2159	16000	16000	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

Subject: Re: problem with memory on new vps
 Posted by [pppy](#) on Wed, 31 Jan 2007 08:30:35 GMT
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the same shit again today..

thst is #cat /proc/user_beancounters before restart VPS

problem with 104 vps.
 please help

cat /proc/user_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
0:	kmemsize	18014008	27306837	2147483647	2147483647	0
	lockedpages	0	0	2147483647	2147483647	0
	privvmpages	47745	141933	2147483647	2147483647	0
	shmpages	17280	41600	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	numproc	127	171	2147483647	2147483647	0
	physpages	14034	36506	2147483647	2147483647	0
	vmguarpages	0	0	2147483647	2147483647	0
	oomguarpages	17308	39639	2147483647	2147483647	0
	numtcpsock	1165	4091	2147483647	2147483647	0
	numflock	5	15	2147483647	2147483647	0
	numpty	1	3	2147483647	2147483647	0
	numsiginfo	0	4	2147483647	2147483647	0
	tcpsndbuf	230550832	475908164	2147483647	2147483647	0
	tcprcvbuf	1775232	4309308	2147483647	2147483647	0
	othersockbuf	15596	5740724	2147483647	2147483647	0
	dgramrcvbuf	0	81244	2147483647	2147483647	0
	numothersock	25	54	2147483647	2147483647	0
	dcachesize	1782915	2061879	2147483647	2147483647	0
	numfile	1290	2248	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	numiptent	15	16	2147483647	2147483647	0
100:	kmemsize	5069844	11010564	24000000	32000000	0
	lockedpages	0	0	32	32	0
	privvmpages	92727	128308	200000	260000	24943
	shmpages	39	39	8192	8192	0
	dummy	0	0	0	0	0
	numproc	74	203	400	400	0
	physpages	21845	42014	0	2147483647	0
	vmguarpages	0	0	31000	2147483647	0
	oomguarpages	55389	73691	50000	50000	0
	numtcpsock	19	88	300	300	0
	numflock	29	34	100	110	0
	numpty	0	0	16	16	0
	numsiginfo	0	9	256	256	0
	tcpsndbuf	24536	1171444	8000000	12000000	0
	tcprcvbuf	0	974928	6000000	10000000	0
	othersockbuf	21844	61152	132096	336896	651
	dgramrcvbuf	0	51312	132096	132096	0
	numothersock	16	110	200	200	107
	dcachesize	260596	465011	1048576	1097728	0

numfile	724	2132	4096	4096	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	
101: kmemsize	13507986	33692925	48000000	64000000	0	
lockedpages	0	0	32	32	0	
privvmpages	136512	300619	1000000	2000000	0	
shmpages	650	1802	8192	8192	0	
dummy	0	0	0	0	0	
numproc	179	421	600	600	888	
physpages	61564	151708	0	2147483647	0	
vmguarpages	0	0	300000	2147483647	0	
oomguarpages	64418	154101	1000000	2147483647	0	
numtcpsock	130	739	1000	1100	0	
numflock	3	130	200	210	2456779	
numpty	0	1	16	16	0	
numsiginfo	1	241	256	256	1294	
tcpsndbuf	5795976	32247628	32000000	48000000	236404	
tcprcvbuf	34208	1877164	6000000	10000000	0	
othersockbuf	13368	205432	1000000	4000000	0	
dgramrcvbuf	0	59864	132096	132096	242	
numothersock	10	55	200	200	3	
dcachesize	591001	870036	4000000	8000000	0	
numfile	1911	4038	16000	16000	60073	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
numiptent	10	10	128	128	0	
102: kmemsize	2599444	16003918	16000000	32000000	45549	
lockedpages	0	0	32	32	0	
privvmpages	27231	112051	100000	120000	4792	
shmpages	14	670	8192	8192	0	
dummy	0	0	0	0	0	
numproc	30	211	400	400	0	
physpages	16779	39189	0	2147483647	0	
vmguarpages	0	0	31000	2147483647	0	
oomguarpages	17808	40218	50000	2147483647	0	
numtcpsock	12	214	300	300	248942	
numflock	3	19	100	110	0	
numpty	0	2	16	16	0	
numsiginfo	0	34	256	256	0	
tcpsndbuf	219036	8071768	8000000	10000000	115158	
tcprcvbuf	0	808164	8000000	10000000	0	
othersockbuf	2228	22280	132096	336896	0	
dgramrcvbuf	0	12828	132096	132096	0	
numothersock	5	14	200	200	0	
dcachesize	113723	230091	1048576	1097728	0	

numfile	234	509	4096	4096	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	
103: kmemsize	2831489	5427158	16000000	32000000	0	
lockedpages	0	0	32	32	0	
privvmpages	40160	60790	1000000	2000000	0	
shmpages	167	2215	8192	8192	0	
dummy	0	0	0	0	0	
numproc	29	65	65	65	12609	
physpages	13504	27757	0	2147483647	0	
vmguarpages	0	0	6144	2147483647	0	
oomguarpages	20897	36639	1000000	2147483647	0	
numtcpsock	4	80	80	80	536636	
numflock	3	31	100	110	0	
numpty	0	2	16	16	0	
numsiginfo	0	13	256	256	0	
tcpsndbuf	0	1202304	8000000	10000000	0	
tcpvbuf	0	290768	8000000	10000000	0	
othersockbuf	2228	22280	132096	336896	452	
dgramrcvbuf	0	29932	1000000	2000000	0	
numothersock	5	32	80	80	0	
dcachesize	107338	230748	1048576	1097728	0	
numfile	261	1369	16000	16000	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	
104: kmemsize	1921217	2377631	2752512	2936012	0	
lockedpages	0	0	32	32	0	
privvmpages	49754	51577	49152	53575	1446	
shmpages	39	1335	8192	8192	0	
dummy	0	0	0	0	0	
numproc	29	37	65	65	0	
physpages	18040	23258	0	2147483647	0	
vmguarpages	0	0	6144	2147483647	0	
oomguarpages	25052	30650	6144	2147483647	0	
numtcpsock	5	14	80	80	0	
numflock	6	10	100	110	0	
numpty	0	2	16	16	0	
numsiginfo	0	29	256	256	0	
tcpsndbuf	0	138136	319488	524288	0	
tcpvbuf	0	320700	319488	524288	1	
othersockbuf	4456	124860	132096	336896	98	
dgramrcvbuf	0	8372	132096	132096	0	
numothersock	6	17	80	80	0	
dcachesize	133168	184970	1048576	1097728	0	

numfile	320	447	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

Subject: Re: problem with memory on new vps

Posted by [Vasily Tarasov](#) on Wed, 31 Jan 2007 09:21:45 GMT

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Hello,

You have a great resource shortage in all VEs!

Increase limits/barriers for parameters, which have failcounters in /proc/user_beancounters.

You can get more information about the subject at wiki:

http://wiki.openvz.org/Resource_shortage

HTH,

Vasily
