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 works ok. But my new vps crashes every day with memory.
It run ok after restart by #vzctl stop 104

That 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&& amp;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
    physspages      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
```

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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
    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       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
    tcprcvbuf           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

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