
Subject: Re: Weird memory numbers

Posted by [dagr](#) on Thu, 13 Sep 2007 09:21:57 GMT

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4. So the only thing to understand left: why privvmpages << "writeable/private" * 100, correct?

Yes

1. MPM prefork implies simple forking just like in Apache 1.3 - no threads at all.
tgid - you mean gid ?

```
[root@vps-10811 extra]# ps -eo "sz,size,rss,vsize,pid,gid,ppid,cmd" | grep httpd
```

```
1452 1248 2488 5808 25791 0 1 /vps_core/apache-2.2.3/bin/httpd -k start
1485 1380 1704 5940 30233 2 25791 /vps_core/apache-2.2.3/bin/httpd -k start
1485 1380 1700 5940 30234 2 25791 /vps_core/apache-2.2.3/bin/httpd -k start
```

group 2 - daemon

2.

```
[root@vps-10811 extra]# pmap -d 30233
```

```
30233: /vps_core/apache-2.2.3/bin/httpd -k start
```

Address	Kbytes	Mode	Offset	Device	Mapping
00111000	56	r-x--	0000000000000000	007:0000f	libpthread-2.3.4.so
0011f000	4	r----	000000000000d000	007:0000f	libpthread-2.3.4.so
00120000	4	rw---	000000000000e000	007:0000f	libpthread-2.3.4.so
00121000	8	rw---	0000000000121000	000:00000	[anon]
00123000	76	r-x--	0000000000000000	007:0000f	libgssapi_krb5.so.2.2
00136000	4	rw---	0000000000013000	007:0000f	libgssapi_krb5.so.2.2
00137000	60	r-x--	0000000000000000	007:0000f	libresolv-2.3.4.so
00146000	4	r----	000000000000f000	007:0000f	libresolv-2.3.4.so
00147000	4	rw---	0000000000010000	007:0000f	libresolv-2.3.4.so
00148000	8	rw---	00000000000148000	000:00000	[anon]
001fc000	36	r-x--	0000000000000000	007:0000f	libnss_files-2.3.4.so
00205000	4	r----	0000000000008000	007:0000f	libnss_files-2.3.4.so
00206000	4	rw---	0000000000009000	007:0000f	libnss_files-2.3.4.so
00229000	8	r-x--	0000000000000000	007:0000f	libuuid.so.1.2
0022b000	4	rw---	0000000000001000	007:0000f	libuuid.so.1.2
002c5000	60	r-x--	0000000000000000	007:0000f	libz.so.1.2.1.2
002d4000	4	rw---	000000000000e000	007:0000f	libz.so.1.2.1.2
002f5000	76	r-x--	0000000000000000	0fd:00000	libaprutil-1.so.0.2.7
00308000	4	rw---	0000000000012000	0fd:00000	libaprutil-1.so.0.2.7
00319000	84	r-x--	0000000000000000	007:0000f	ld-2.3.4.so
0032e000	4	r----	0000000000015000	007:0000f	ld-2.3.4.so

```

0032f000    4 rw--- 0000000000016000 007:0000f ld-2.3.4.so
00349000   100 r-x-- 0000000000000000 0fd:00000 libexpat.so.0.1.0
00362000    8 rw--- 0000000000019000 0fd:00000 libexpat.so.0.1.0
00385000   124 r-x-- 0000000000000000 0fd:00000 libapr-1.so.0.2.7
003a4000    4 rw--- 000000000001f000 0fd:00000 libapr-1.so.0.2.7
003a9000   132 r-x-- 0000000000000000 007:0000f libm-2.3.4.so
003ca000    4 r---- 0000000000020000 007:0000f libm-2.3.4.so
003cb000    4 rw--- 0000000000021000 007:0000f libm-2.3.4.so
003e9000   32 r-x-- 0000000000000000 007:0000f librt-2.3.4.so
003f1000    4 r---- 0000000000007000 007:0000f librt-2.3.4.so
003f2000    4 rw--- 0000000000008000 007:0000f librt-2.3.4.so
003f3000   40 rw--- 00000000003f3000 000:00000 [ anon ]
00475000   196 r-x-- 0000000000000000 007:0000f libssl.so.0.9.7a
004a6000   12 rw--- 0000000000031000 007:0000f libssl.so.0.9.7a
004a9000  1172 r-x-- 0000000000000000 007:0000f libc-2.3.4.so
005ce000    8 r---- 0000000000124000 007:0000f libc-2.3.4.so
005d0000    8 rw--- 0000000000126000 007:0000f libc-2.3.4.so
005d2000    8 rw--- 00000000005d2000 000:00000 [ anon ]
0097f000   128 r-x-- 0000000000000000 007:0000f libk5crypto.so.3.0
0099f000    4 rw--- 0000000000020000 007:0000f libk5crypto.so.3.0
009a3000   396 r-x-- 0000000000000000 007:0000f libkrb5.so.3.2
00a06000    8 rw--- 0000000000063000 007:0000f libkrb5.so.3.2
00b87000    8 r-x-- 0000000000000000 007:0000f libcom_err.so.2.1
00b89000    4 rw--- 0000000000001000 007:0000f libcom_err.so.2.1
00bf4000    8 r-x-- 0000000000000000 007:0000f libdl-2.3.4.so
00bf6000    4 r---- 0000000000001000 007:0000f libdl-2.3.4.so
00bf7000    4 rw--- 0000000000002000 007:0000f libdl-2.3.4.so
00cf1000   848 r-x-- 0000000000000000 007:0000f libcrypto.so.0.9.7a
00dc5000   72 rw--- 00000000000d4000 007:0000f libcrypto.so.0.9.7a
00dd7000   12 rw--- 0000000000dd7000 000:00000 [ anon ]
00f15000   20 r-x-- 0000000000000000 007:0000f libcrypt-2.3.4.so
00f1a000    4 r---- 0000000000004000 007:0000f libcrypt-2.3.4.so
00f1b000    4 rw--- 0000000000005000 007:0000f libcrypt-2.3.4.so
00f1c000   156 rw--- 0000000000f1c000 000:00000 [ anon ]
08048000   668 r-x-- 0000000000000000 0fd:00000 httpd
080ef000   16 rw--- 00000000000a6000 0fd:00000 httpd
080f3000   20 rw--- 00000000080f3000 000:00000 [ anon ]
09520000  1080 rw--- 0000000009520000 000:00000 [ anon ]
b7fc2000   48 rw-s- 0000000000000000 000:00033 [ anon ]
b7fce000   20 rw--- 00000000b7fce000 000:00000 [ anon ]
bfff7000   28 rw--- 00000000bfff7000 000:00000 [ stack ]
ffffe000    4 ----- 0000000000000000 000:00000 [ anon ]
mapped: 5944K  writeable/private: 1564K  shared: 48K

```

3. So you say that real consumption is oomguarpages. May be oomguarpages << privmpages

when processes idle or processing same document - in other words, in docs you call privmpages some kind of memusage prediction. So in what case apache will consume privmpages which i see now?
