
Subject: Processes are wrong
Posted by [eugenio Pacheco](#) on Wed, 18 Oct 2006 23:24:21 GMT
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Hi,

I'm having a little problem with processes on a VPS. My node OS is FC 4 and the VPS is running on Debian-3.1-minimal. This is what's happening:

```
[root@server ~]# vzlist
VPSID   NPROC STATUS IP_ADDR   HOSTNAME
...     ... ..
114     84 running x.x.x.x   ShellCenter.Org
```

```
[root@server ~]# vzmemcheck -Av
Output values in Mbytes
```

veid	LowMem util	LowMem commit	RAM util	MemSwap commit	MemSwap util	MemSwap commit	Alloc limit	Alloc	Alloc
101	2.15	11.38	60.22	61.59	155.56	194.08	155.56	560.59	
102	0.29	11.38	3.99	4.00	155.56	4.88	155.56	560.59	
103	2.52	11.38	37.00	38.59	155.56	401.73	155.56	560.59	
104	2.79	11.38	40.83	41.10	155.56	105.50	155.56	560.59	
105	0.61	34.14	14.93	15.03	934.16	16.82	934.16	1063.22	
106	1.06	11.38	34.13	34.38	155.56	168.35	155.56	560.59	
107	0.27	11.38	4.03	4.03	155.56	4.95	155.56	560.59	
108	2.82	11.38	71.31	72.47	155.56	307.97	155.56	560.59	
109	0.29	11.38	4.01	4.09	155.56	4.97	155.56	560.59	
110	1.80	11.38	30.82	31.26	155.56	105.88	155.56	560.59	
111	0.32	11.38	6.99	7.19	155.56	8.73	155.56	560.59	
114	3.47	11.38	73.78	74.10	155.56	409.11	155.56	560.59	

```
-----
Summary:  18.38 159.32 382.05 387.84 2645.27 1732.95 2645.27 7229.76
          325.00 325.00 1499.00 4700.00 4700.00 4700.00 4700.00 4700.00
```

```
[root@server ~]# vzctl exec 114 ps aux
USER      PID %CPU %MEM  VSZ  RSS TTY   STAT START  TIME COMMAND
root      1 0.0 0.0 1504 488 ?     Ss   Oct07  0:11 init [2]
nobody    9347 0.0 0.0 2340 1152 ?     Ss   Oct07  0:00 proftpd: (accepting connections)
root      9489 0.0 0.0 1560 596 ?     Ss   Oct07  0:29 /sbin/syslogd
root      9578 0.0 0.0 3468 1532 ?     Ss   Oct07  0:56 /usr/sbin/sshd
daemon    9589 0.0 0.0 1684 628 ?     Ss   Oct07  0:00 /usr/sbin/atd
root      9598 0.0 0.0 1756 712 ?     Ss   Oct07  0:00 /usr/sbin/cron
fifabra   21905 0.0 0.1 12368 2728 ?     S    Oct09  0:28 ./eggdrop conf.FBRASIL
fifabra   21908 0.0 0.1 12364 2692 ?     S    Oct09  0:23 ./eggdrop conf.FBR
fifabra   21912 0.0 0.1 12360 2616 ?     S    Oct09  0:26 ./eggdrop conf.FIFAMANIA
fifabra   21916 0.0 0.1 12504 2824 ?     S    Oct09  0:48 ./eggdrop conf.PARCEIROS
guthin    23633 0.0 0.1 12220 2648 ?     S    Oct09  0:16 ./eggdrop teresina.conf
```

```

guthin 23691 0.0 0.1 12220 2712 ? S Oct09 0:18 ./eggdrop niteroi.conf
juniorr 15862 0.0 0.1 12376 2800 ? S Oct09 0:37 ./eggdrop kryptoniano.conf
juniorr 15868 0.0 0.1 12376 2672 ? S Oct09 0:19 ./eggdrop lost1.conf
juniorr 15934 0.0 0.1 12372 2664 ? S Oct09 0:18 ./eggdrop lost3.conf
hostage 12189 0.0 0.1 12444 2736 ? S Oct09 4:51 ./eggdrop conf.Hostage
hostage 12192 0.0 0.1 12360 2608 ? S Oct09 3:28 ./eggdrop conf.WebHost
hostage 12195 0.0 0.1 12360 2616 ? S Oct09 3:20 ./eggdrop conf.AgitoJovem
hostage 12198 0.0 0.1 12360 2636 ? S Oct09 3:43 ./eggdrop conf.http
guthin 1437 0.0 0.2 12500 3136 ? S Oct09 0:50 ./eggdrop -m flamengo.conf
erasmov 32507 0.0 0.2 13420 3720 ? S Oct11 0:07 ./eggdrop conf.Caxias
erasmov 32520 0.0 0.1 12504 2808 ? S Oct11 0:10 ./eggdrop conf.Info_Caxias
erasmov 32546 0.0 0.2 13604 4012 ? S Oct11 0:35 ./eggdrop conf.wall
canalir 13648 0.0 0.1 12624 2688 ? S Oct12 0:22 ./eggdrop
conf.ANDRE_DOS_ANJOS_OFFline
canalir 20093 0.0 0.3 14732 4876 ? S Oct12 0:21 ./eggdrop conf.CanaL_IRCplugado
juniorr 25620 0.0 0.1 12368 2768 ? S Oct12 0:20 ./eggdrop -m downloads.conf
juninho 11994 0.0 0.1 40444 2568 ? S Oct12 0:01 ./sc_serv
dj 12179 0.0 0.5 26760 8148 ? S Oct12 0:00 ./dj juninho.conf
juniorr 28550 0.0 0.1 12368 2672 ? S Oct14 0:06 ./eggdrop lost2.conf
nescau 11991 0.0 0.4 16932 7348 ? S Oct16 0:55 ./eggdrop conf.ShellCenter
nescau 15848 0.0 0.1 12508 2816 ? S Oct16 0:05 ./eggdrop conf.Brigadeiro
orpheus 15983 0.0 0.2 13188 3664 ? S Oct16 0:03 ./eggdrop -m RebeldeS.conf
orpheus 17412 0.0 0.2 13172 3700 ? S Oct16 0:05 ./eggdrop -m Rebelde.conf
nicole 21748 0.0 0.1 37716 1780 ? S Oct16 0:00 ./sc_serv
thiagoc 20284 0.0 0.2 5604 4348 ? Ss Oct17 0:01 ./ircd
thiagoc 22523 0.0 0.3 7320 5728 ? S Oct17 0:01 ./services
nicole 15446 0.0 0.1 12356 2720 ? S Oct17 0:05 ./eggdrop conf.Imortality
nicole 15449 0.0 0.1 12476 2744 ? S Oct17 0:06 ./eggdrop conf.CaNaL_LeSblaN
erasmov 13432 0.0 0.1 12492 2760 ? S 00:13 0:02 ./eggdrop conf.PibCaxias
z80 7260 0.0 0.0 2496 1380 ? S 09:44 0:19 ./psybnc psybnc.conf
juniorr 28405 0.0 0.1 12376 2600 ? S 13:00 0:02 ./eggdrop lostzilla.conf
juniorr 28424 0.0 0.1 12368 2664 ? S 13:01 0:00 ./eggdrop lost4.conf
root 7689 0.0 0.3 6868 5412 ? Ss 14:49 0:00 /usr/bin/perl
/usr/local/webmin/miniserv.pl /etc/webmin/miniserv.conf
corog 9986 0.0 0.0 2492 1452 ? S 16:58 0:02 ./psybnc
root 4337 0.0 0.0 2492 840 ? Rs 20:57 0:00 ps aux

```

As you can see, there are only 45 processes running on this VPS, on vzlist it shows 84. The processes that are running on this VPS are not so consuming that his 560MB of virtual memory shouldn't suffice.

Here's his user_beancounters:

```
[root@server ~]# vzctl exec 114 cat /proc/user_beancounters
```

```
Version: 2.5
```

```

uid resource      held  maxheld  barrier  limit  failcnt
114: kmemsize     3392992 5070267 5682216 6250437 0

```

lockedpages	0	0	277	277	0	
privvmpages	103900	140683	125454	140599	31769	
shmpages	0	3632	22145	22145	0	
dummy	0	0	0	0	0	
numproc	85	125	266	266	0	
physpages	18019	33204	0	2147483647	0	
vmguarpages	0	0	36909	2147483647	0	
oomguarpages	18101	33284	36909	2147483647	0	
numtcpsock	85	143	266	266	0	
numflock	2	6	220	242	0	
numpty	0	4	26	26	0	
numsiginfo	1	14	1024	1024	0	
tcpsndbuf	82436	841492	804536	1894072	32457829	
tcprcvbuf	0	404016	804536	1894072	0	
othersockbuf	75316	122104	402268	1491804	0	
dgramrcvbuf	0	22280	402268	402268	0	
numothersock	46	92	266	266	0	
dcachesize	370336	484575	1234765	1271808	0	
numfile	1305	1724	2208	2208	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
numiptent	10	10	66	66	0	

Is it possible that OpenVZ is mixing processes from one VPS to another by mistake?

What should I do to fix it?

Thanks in advance,

Eugenio Pacheco

Subject: Re: Processes are wrong

Posted by [Vasily Tarasov](#) on Thu, 19 Oct 2006 05:57:22 GMT

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`ps aux` does not show threads. `ps -eLf` does it.

Subject: Re: Processes are wrong

Posted by [eugeniopacheco](#) on Thu, 19 Oct 2006 10:41:31 GMT

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Hi,

Thanks a lot for your answer. Now it makes sense. I tried ps -eLf and it showed all threads and I counted them up to be the same shown in vzlist.

But isn't the memory being accounted wrong? With only a few eggdrops, one ircd, one shoutcast and one ircservices it is using more than half of the memory.. Currently it is using 341MB out of 560MB

```
[root@server ~]# vzmemcheck -Av
```

Output values in Mbytes

veid	LowMem util	LowMem commit	LowMem util	RAM util	MemSwap commit	MemSwap util	MemSwap commit	Alloc limit	Alloc	Alloc
101	2.15	11.38	60.16	61.61	155.56	193.90	155.56	560.59		
102	0.29	11.38	4.00	4.01	155.56	4.89	155.56	560.59		
103	2.52	11.38	35.34	36.93	155.56	400.32	155.56	560.59		
104	1.60	4.25	33.48	33.49	28.25	165.56	28.25	213.52		
105	1.01	34.14	15.79	15.89	934.16	17.73	934.16	1063.22		
106	1.01	11.38	32.80	33.05	155.56	167.24	155.56	560.59		
107	0.28	11.38	4.00	4.00	155.56	4.91	155.56	560.59		
108	3.43	11.38	90.49	93.75	155.56	398.09	155.56	560.59		
109	0.29	11.38	4.02	4.10	155.56	4.97	155.56	560.59		
110	1.78	11.38	30.87	31.31	155.56	105.86	155.56	560.59		
111	0.32	11.38	6.99	7.19	155.56	8.73	155.56	560.59		
114	2.80	11.38	63.67	64.03	155.56	341.53	155.56	560.59		

```
-----  
Summary: 17.49 152.19 381.61 389.36 2517.96 1813.73 2517.96 6882.69  
325.00 325.00 1499.00 4700.00 4700.00 4700.00 4700.00 4700.00
```

And here's a ps aux and ps -eLf:

```
[root@server ~]# vzctl exec 114 ps aux
```

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.0	1504	488	?	Ss	Oct07	0:11	init [2]
nobody	9347	0.0	0.0	2340	1152	?	Ss	Oct07	0:00	proftpd: (accepting connections)
root	9489	0.0	0.0	1560	596	?	Ss	Oct07	0:30	/sbin/syslogd
root	9578	0.0	0.0	3468	1532	?	Ss	Oct07	0:57	/usr/sbin/sshd
daemon	9589	0.0	0.0	1684	628	?	Ss	Oct07	0:00	/usr/sbin/atd
root	9598	0.0	0.0	1756	712	?	Ss	Oct07	0:00	/usr/sbin/cron
juninho	11994	0.0	0.1	40444	2568	?	S	Oct12	0:01	./sc_serv
dj	12179	0.0	0.5	26760	8892	?	S	Oct12	0:00	./dj_juninho.conf
nicole	21748	0.0	0.1	37716	1744	?	S	Oct16	0:00	./sc_serv
thiagoc	20284	0.0	0.2	5604	4348	?	Ss	Oct17	0:01	./ircd
thiagoc	22523	0.0	0.3	7320	5748	?	S	Oct17	0:01	./services
z80	7260	0.0	0.0	2616	1476	?	S	Oct18	0:39	./psybnc psybnc.conf
root	7689	0.0	0.3	6868	5412	?	Ss	Oct18	0:00	/usr/bin/perl /usr/local/webmin/miniserv.pl /etc/webmin/miniserv.conf
corog	9986	0.0	0.0	2492	1452	?	S	Oct18	0:03	./psybnc
nescau	9631	0.0	0.4	16812	7136	?	S	Oct18	0:06	./eggdrop conf.ShellCenter
nescau	9635	0.0	0.1	12368	2600	?	S	Oct18	0:00	./eggdrop conf.Brigadeiro

```

erasmov 15592 0.0 0.1 12648 3012 ? S Oct18 0:00 ./eggdrop conf.Caxias
erasmov 15606 0.0 0.1 12360 2688 ? S Oct18 0:00 ./eggdrop conf.Info_Caxias
erasmov 15617 0.0 0.2 13408 3796 ? S Oct18 0:01 ./eggdrop conf.wall
erasmov 15634 0.0 0.1 12488 2768 ? S Oct18 0:00 ./eggdrop conf.PibCaxias
hostage 19692 0.0 0.1 12492 2720 ? S Oct18 0:13 ./eggdrop conf.Hostage
hostage 19695 0.0 0.1 12360 2604 ? S Oct18 0:07 ./eggdrop conf.WebHost
hostage 19698 0.0 0.1 12360 2608 ? S Oct18 0:09 ./eggdrop conf.AgitoJovem
hostage 19701 0.0 0.1 12360 2612 ? S Oct18 0:08 ./eggdrop conf.http
guthin 24388 0.0 0.1 12236 2792 ? S 00:48 0:02 ./eggdrop flamengo.conf
guthin 24397 0.0 0.1 12220 2644 ? S 00:48 0:00 ./eggdrop niteroi.conf
guthin 24410 0.0 0.1 12220 2600 ? S 00:49 0:00 ./eggdrop -m teresina.conf
orpheus 25798 0.0 0.2 13052 3472 ? S 00:55 0:00 ./eggdrop Rebelde.conf
orpheus 25808 0.0 0.2 12948 3316 ? S 00:56 0:00 ./eggdrop RebeldeS.conf
niccole 28316 0.0 0.1 12360 2704 ? S 01:18 0:00 ./eggdrop conf.Imortality
niccole 28319 0.0 0.1 12480 2716 ? S 01:18 0:00 ./eggdrop conf.CaNaL_LeSblaN
canalir 29916 0.0 0.2 12920 3260 ? S 01:26 0:00 ./eggdrop conf.CanaL_IRCplugado
canalir 29919 0.0 0.1 12488 2752 ? S 01:26 0:00 ./eggdrop
conf.ANDRE_DOS_ANJOS_OFFline
fifabra 5449 0.0 0.1 12360 2600 ? S 07:20 0:00 ./eggdrop conf.FBR
fifabra 5452 0.0 0.1 12364 2668 ? S 07:20 0:00 ./eggdrop conf.FBRASIL
fifabra 5458 0.0 0.1 12232 2604 ? S 07:20 0:00 ./eggdrop conf.FIFAMANIA
fifabra 5461 0.0 0.1 12364 2672 ? S 07:20 0:00 ./eggdrop conf.PARCEIROS
root 14591 0.0 0.0 2492 840 ? Rs 08:36 0:00 ps aux

```

```
[root@server ~]# vzctl exec 114 ps -eLf
```

```

UID      PID PPID  LWP  C NLWP STIME TTY      TIME CMD
root      1   0    1  0  1 Oct07 ?    00:00:11 init [2]
nobody   9347  1 9347  0  1 Oct07 ?    00:00:00 proftpd: (accepting connections)
root     9489  1 9489  0  1 Oct07 ?    00:00:30 /sbin/syslogd
root     9578  1 9578  0  1 Oct07 ?    00:00:57 /usr/sbin/sshd
daemon   9589  1 9589  0  1 Oct07 ?    00:00:00 /usr/sbin/atd
root     9598  1 9598  0  1 Oct07 ?    00:00:00 /usr/sbin/cron
juninho 11994  1 11994  0  5 Oct12 ?    00:00:01 ./sc_serv
juninho 11994  1 11995  0  5 Oct12 ?    00:00:40 ./sc_serv
juninho 11994  1 11996  0  5 Oct12 ?    00:03:50 ./sc_serv
juninho 11994  1 11997  0  5 Oct12 ?    00:00:31 ./sc_serv
juninho 11994  1 11998  0  5 Oct12 ?    00:00:00 ./sc_serv
dj       12179  1 12179  0  3 Oct12 ?    00:00:00 ./dj juninho.conf
dj       12179  1 12180  4  3 Oct12 ?    06:09:31 ./dj juninho.conf
dj       12179  1 12181  0  3 Oct12 ?    00:00:02 ./dj juninho.conf
nicole   21748  1 21748  0  5 Oct16 ?    00:00:00 ./sc_serv
nicole   21748  1 21749  0  5 Oct16 ?    00:00:12 ./sc_serv
nicole   21748  1 21750  0  5 Oct16 ?    00:01:18 ./sc_serv
nicole   21748  1 21751  0  5 Oct16 ?    00:00:12 ./sc_serv
nicole   21748  1 21752  0  5 Oct16 ?    00:00:00 ./sc_serv
thiagoc 20284  1 20284  0  1 Oct17 ?    00:00:01 ./ircd
thiagoc 22523  1 22523  0  1 Oct17 ?    00:00:01 ./services

```

z80	7260	1	7260	0	1	Oct18 ?	00:00:39	./psybnc	psybnc.conf
root	7689	1	7689	0	1	Oct18 ?	00:00:00	/usr/bin/perl	/usr/local/webmin/miniserv.pl
									/etc/webmin/miniserv.conf
corog	9986	1	9986	0	1	Oct18 ?	00:00:03	./psybnc	
nescau	9631	1	9631	0	2	Oct18 ?	00:00:06	./eggdrop	conf.ShellCenter
nescau	9631	1	9632	0	2	Oct18 ?	00:00:00	./eggdrop	conf.ShellCenter
nescau	9635	1	9635	0	2	Oct18 ?	00:00:00	./eggdrop	conf.Brigadeiro
nescau	9635	1	9636	0	2	Oct18 ?	00:00:00	./eggdrop	conf.Brigadeiro
erasmov	15592	1	15592	0	2	Oct18 ?	00:00:00	./eggdrop	conf.Caxias
erasmov	15592	1	15593	0	2	Oct18 ?	00:00:00	./eggdrop	conf.Caxias
erasmov	15606	1	15606	0	2	Oct18 ?	00:00:00	./eggdrop	conf.Info_Caxias
erasmov	15606	1	15607	0	2	Oct18 ?	00:00:00	./eggdrop	conf.Info_Caxias
erasmov	15617	1	15617	0	2	Oct18 ?	00:00:01	./eggdrop	conf.wall
erasmov	15617	1	15618	0	2	Oct18 ?	00:00:00	./eggdrop	conf.wall
erasmov	15634	1	15634	0	2	Oct18 ?	00:00:00	./eggdrop	conf.PibCaxias
erasmov	15634	1	15635	0	2	Oct18 ?	00:00:00	./eggdrop	conf.PibCaxias
hostage	19692	1	19692	0	2	Oct18 ?	00:00:13	./eggdrop	conf.Hostage
hostage	19692	1	19693	0	2	Oct18 ?	00:00:01	./eggdrop	conf.Hostage
hostage	19695	1	19695	0	2	Oct18 ?	00:00:07	./eggdrop	conf.WebHost
hostage	19695	1	19696	0	2	Oct18 ?	00:00:00	./eggdrop	conf.WebHost
hostage	19698	1	19698	0	2	Oct18 ?	00:00:09	./eggdrop	conf.AgitoJovem
hostage	19698	1	19699	0	2	Oct18 ?	00:00:00	./eggdrop	conf.AgitoJovem
hostage	19701	1	19701	0	2	Oct18 ?	00:00:08	./eggdrop	conf.http
hostage	19701	1	19702	0	2	Oct18 ?	00:00:00	./eggdrop	conf.http
guthin	24388	1	24388	0	2	00:48 ?	00:00:02	./eggdrop	flamengo.conf
guthin	24388	1	24389	0	2	00:48 ?	00:00:00	./eggdrop	flamengo.conf
guthin	24397	1	24397	0	2	00:48 ?	00:00:00	./eggdrop	niteroi.conf
guthin	24397	1	24398	0	2	00:48 ?	00:00:00	./eggdrop	niteroi.conf
guthin	24410	1	24410	0	2	00:49 ?	00:00:00	./eggdrop	-m teresina.conf
guthin	24410	1	24411	0	2	00:49 ?	00:00:00	./eggdrop	-m teresina.conf
orpheus	25798	1	25798	0	2	00:55 ?	00:00:00	./eggdrop	Rebelde.conf
orpheus	25798	1	25799	0	2	00:55 ?	00:00:00	./eggdrop	Rebelde.conf
orpheus	25808	1	25808	0	2	00:56 ?	00:00:00	./eggdrop	RebeldeS.conf
orpheus	25808	1	25809	0	2	00:56 ?	00:00:00	./eggdrop	RebeldeS.conf
niccole	28316	1	28316	0	2	01:18 ?	00:00:00	./eggdrop	conf.Imortality
niccole	28316	1	28317	0	2	01:18 ?	00:00:00	./eggdrop	conf.Imortality
niccole	28319	1	28319	0	2	01:18 ?	00:00:00	./eggdrop	conf.CaNaL_LeSblaN
niccole	28319	1	28320	0	2	01:18 ?	00:00:00	./eggdrop	conf.CaNaL_LeSblaN
canalir	29916	1	29916	0	2	01:26 ?	00:00:00	./eggdrop	conf.CanaL_IRCplugado
canalir	29916	1	29917	0	2	01:26 ?	00:00:00	./eggdrop	conf.CanaL_IRCplugado
canalir	29919	1	29919	0	2	01:26 ?	00:00:00	./eggdrop	
									conf.ANDRE_DOS_ANJOS_OFFline
canalir	29919	1	29920	0	2	01:26 ?	00:00:00	./eggdrop	
									conf.ANDRE_DOS_ANJOS_OFFline
fifabra	5449	1	5449	0	2	07:20 ?	00:00:00	./eggdrop	conf.FBR
fifabra	5449	1	5450	0	2	07:20 ?	00:00:00	./eggdrop	conf.FBR
fifabra	5452	1	5452	0	2	07:20 ?	00:00:00	./eggdrop	conf.FBRASIL
fifabra	5452	1	5453	0	2	07:20 ?	00:00:00	./eggdrop	conf.FBRASIL

```
fifabra 5458 1 5458 0 2 07:20 ? 00:00:00 ./eggdrop conf.FIFAMANIA
fifabra 5458 1 5459 0 2 07:20 ? 00:00:00 ./eggdrop conf.FIFAMANIA
fifabra 5461 1 5461 0 2 07:20 ? 00:00:00 ./eggdrop conf.PARCEIROS
fifabra 5461 1 5462 0 2 07:20 ? 00:00:00 ./eggdrop conf.PARCEIROS
root 14875 1 14875 0 1 08:39 ? 00:00:00 ps -eLf
```

Is there a way to check how much privvmpages each process is using to identify which one is using too much memory?

Regards,

Eugenio Pacheco

Subject: Re: Processes are wrong
Posted by [Vasily Tarasov](#) on Thu, 19 Oct 2006 11:48:25 GMT
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As far as I undestand, you're afraid of this number:

114 2.80 11.38 63.67 64.03 155.56 341.53 155.56 560.59

If so, then everything is ok. This number doesn't show how much memory this VE use! This number equals how much memory VE in question allocated!

Usually applications allocate much memory but use only ~25% of it.

You can read a bit more about it on this wiki page:

<http://wiki.openvz.org/Privvmpages#privvmpages>

HTH,
vass.+