
Subject: Re: Memory usage

Posted by [eugenio pacheco](#) on Tue, 25 Apr 2006 00:00:29 GMT

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Hi,

Can someone please tell me if the virtual memory (privvmpages) is limited to the amount of RAM memory in the computer?

When I type the command vzmemcheck, this is what shows up:

```
[root@t248 ~]# vzmemcheck
```

Output values in %

LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
util	commit	util	util	commit	util	commit	limit
1.44	25.67	20.96	20.96	27.09	79.90	27.09	145.31

```
[root@t248 ~]# vzmemcheck -A
```

Output values in Mbytes

LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
util	commit	util	util	commit	util	commit	limit
4.72	83.92	209.80	209.80	271.15	799.86	271.15	1454.60
326.00	326.00	1001.00	1001.00	1001.00	1001.00	1001.00	1001.00

```
[root@t248 ~]# vzmemcheck -Av
```

Output values in Mbytes

veid	LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
	util	commit	util	util	commit	util	commit	limit
101	2.55	34.33	94.67	94.67	96.74	244.85	96.74	368.11
102	1.32	24.79	62.10	62.10	87.20	498.63	87.20	649.79
105	0.97	24.79	53.14	53.14	87.20	56.50	87.20	436.70

Summary: 4.84 83.92 209.91 209.91 271.15 799.98 271.15 1454.60
326.00 326.00 1001.00 1001.00 1001.00 1001.00 1001.00 1001.00

```
[root@t248 ~]# vzmemcheck -v
```

Output values in %

veid	LowMem	LowMem	RAM	MemSwap	MemSwap	Alloc	Alloc	Alloc
	util	commit	util	util	commit	util	commit	limit
101	0.78	10.50	9.46	9.46	9.66	24.46	9.66	36.77
102	0.40	7.58	6.20	6.20	8.71	49.81	8.71	64.91
105	0.29	7.58	5.31	5.31	8.71	5.64	8.71	43.62

Summary: 1.47 25.67 20.96 20.96 27.09 79.91 27.09 145.31

The thing is. It seems to me that the RAM memory is underused... It shows that it's only 21% (210MB) used. The machine I'm running openvz has 1GB of memory. But, the Alloc memory is being overused, it shows that it's 145% used (1455MB). So, my question is, can I use the Alloc memory (privvmpages) to match up the RAM to be used? I just don't know where this virtual memory comes from or what resources it uses.

Please help?

Eugenio Pacheco
