

Re: systat -vm output showing negative total virtual memory

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2006-11/msg00548.html>

- *From:* Ruslan Ermilov <ru@xxxxxxxxxxxxx>
 - *Date:* Fri, 17 Nov 2006 18:53:35 +0300
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On Fri, Nov 17, 2006 at 01:38:00AM +0300, Ruslan Ermilov wrote:

Actually, the values are also in pages. Below is a new patch to try. The total amount of virtual memory reported is still insane; I think some objects are included in the stats mistakenly, but I'm not yet sure.

Okay, the attached patch that includes a "fix" for vm_meter.c now prints the sane values for virtual memory. The huge contributions to vm total were from vnode objects representing mounted file systems (g_vfs_open()).

Alan, could you please review this patch for me (the vm_meter.c portion at least) or suggest a better fix? On my amd64 system, I now get:

```
: vm.vmtotal:
: System wide totals computed every five seconds: (values in kilobytes)
: =====
: Processes: (RUNQ: 2 Disk Wait: 0 Page Wait: 0 Sleep: 35)
: Virtual Memory: (Total: 4458372K, Active 95772K)
: Real Memory: (Total: 93468K Active 71016K)
: Shared Virtual Memory: (Total: 20504K Active: 18952K)
: Shared Real Memory: (Total: 13956K Active: 13148K)
: Free Memory Pages: 3024836K
```

The patch is against RELENG_6 but should apply to HEAD too.

Cheers,

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Ruslan Ermilov
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FreeBSD committer

Attachment: [pgp135NSmHQ4N.pgp](#)

Description: PGP signature

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