Subject: Meminfo again
Posted by sspt on Wed, 20 Dec 2006 21:25:39 GMT
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Is there any way to show privvmpages held instead of oomguarpages held when we execute 'free -m' inside a VE?

For example a VE using 300MB RAM (Privvmpages) will appear as only 60MB (OOmguarpages).

Since we can set meminfo as privvmpages:1 it should show privvmpages

Subject: Re: Meminfo again
Posted by Vasily Tarasov on Thu, 21 Dec 2006 08:14:16 GMT
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The only way I see - you can patch the kernel a little.
But I don't think, that is what you need...
The choice to use oomguarpages is rather logical, while
privvmpages is not.

Subject: Re: Meminfo again
Posted by sspt on Thu, 21 Dec 2006 19:39:00 GMT
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Why privvmpages are not logical?

Eg.
The user is hitting his limits:

        privvmpages   254314   262145   256000   262144
    115157

But he and his control panel think the VE still have RAM:

```
root@server [/var/log]# free -m
          total      used      free    shared    buffers     cached
Mem:        1000       758       241         0         0         0
-/+ buffers/cache:       758       241
Swap:          0         0         0
```

Hello,

The point is that privvmpages held is how much memory applications in VE have allocated. But they don't use all the this memory in fact! Expirience says, that most of the programms use only 10-30% of memmory they've allocated. Thus, privvmpages limit is a limit for allocation, while oomguarpages is a limit for real physical memory used by VE.

Please, read wiki.openvz.org/UBC for additional information.