
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			

Subject: Re: Meminfo again

Posted by [Vasily Tarasov](#) on Fri, 22 Dec 2006 09:15:15 GMT

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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! Experience says, that most of the programmes 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.
