
Subject: Re: UBC parameters for Oracle Server
Posted by [dev](#) on Fri, 23 Mar 2007 13:24:13 GMT
[View Forum Message](#) <> [Reply to Message](#)

There is nothing bad in such high privvmpages settings.

1. Oracle manages it's caches itself and creates lots of mappings, which is the first reason of high privvmpages usages.
2. also please check the output of the following:

```
# cat /proc/sys/kernel/exec-shield-randomize
```

```
# cat /proc/sys/kernel/randomize_va_space
```

RHEL kernels introduce randomization of virtual memory areas, but due to some reason it uses much more addition virtual memory for this. So you can disable it echoing '0' to one of these files.

Thanks,
Kirill

Ist_hoe01@kwsoft.de wrote:

> We have a central Linux server for some development related services in
> our department. One of it is a Oracle 10gR2 Database server with two
> instances. I have managed to get it working but the needed parameters
> look a little bit odd to me. Especially the privvmpages must be really
> high and seams to climb up over time??

>

> Version: 2.5

> uid resource	held	maxheld	barrier	limit	failcnt	
> 107001: kmemsize	16705667	24744140	25000000	32000000		0
> lockedpages	0	8	32	32	0	
> privvmpages	3961971	4256673	19000000	20000000		0
> shmpages	131714	132690	256000	256000	0	
> dummy	0	0	0	0	0	
> numproc	123	462	1024	1024	0	
> physpages	195320	220490	0	2147483647		0
> vmguarpages	0	0	256000	2147483647		0
> oomguarpages	209597	223636	256000	2147483647		0
> numtcpsock	98	121	1024	1024	0	
> numflock	49	53	100	110	0	
> numpty	1	2	16	16	0	
> numsiginfo	0	256	256	256	0	
> tcpsndbuf	157784	406584	512000	2048000		0
> tcprcvbuf	2392	622184	512000	2048000		0
> othersockbuf	178964	512824	512000	2048000		0
> dgramrcvbuf	0	8364	132096	512000		0
> numothersock	115	122	1024	1024		0
> dcachesize	0	0	1024000	2048000		0
> numfile	4091	8192	16384	16384		0
> dummy	0	0	0	0		0

```
> dummy      0      0      0      0      0
> dummy      0      0      0      0      0
> numiptent  10     10    128    128     0
>
> Is there any downside in setting privvmpages that large for a
> 4GB/Dual-Proc Maschine or should i simply let it that way?
>
> Thanxs
>
> Andreas
>
```
