Subject: held and maxheld below barrier and limit but failcnt = 4
Posted by Franz STUMPNER on Sun, 15 Apr 2007 09:11:57 GMT
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I have the Problem that my /proc/user_beancounters displays an failcount
of 4 at the privvmpages section:

Version: 2.5
    uid resource   held   maxheld barrier   limit   failcnt
   102: kmemsize   2827049 3378858 41840803   46024883 0
     lockedpages 0   0   2043   2043   0
     privvmpages 118113 130716 173225   198547   4

How can it be that failcnt is 4 when the held and maxheld values are
below the barrier an limit values?
For me it means that the privvmpages never hit the barrier or limit, how
can there be a failcnt!? Or I'm wrong?

Thanks for information,
best regards
franz stumpner

ps: I'm running an VPS on Debian Linux 4.0 with Kernel
2.6.18-028stab023.1+40-openvz

Subject: Re: held and maxheld below barrier and limit but failcnt = 4
Posted by pookey on Sun, 15 Apr 2007 14:49:04 GMT
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Franz STUMPNER wrote:
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This can happen if someone has changed the barrier since tha failures
happened, is that likely?

Subject: Re: held and maxheld below barrier and limit but failcnt = 4
Posted by kir on Sun, 15 Apr 2007 18:50:03 GMT

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> below the barrier an limit values?
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> how can there be a failcnt!? Or I'm wrong?
That's easy -- the difference between privvmpages.maxheld and
privvmpages.barrier is 173225-130716=42509. So if any application tries
to grab more than 42509 pages *at once*, it will get an error (most
probably ENOMEM), and the failcnt will be increased, but both held and
maxheld stays the same.