Subject: vswap question - physpages/oomguarpages
Posted by Rene Dokbua on Thu, 21 Jun 2012 04:44:06 GMT
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I just noticed a couple of containers on one of our vswap enabled servers have non-zero failcnt's (user_beancounters)

```
  uid  resource                  held            maxheld
barrier              limit            failcnt
1413:
     physpages                 84873            131166
    0            131072                61
     oomguarpages              94628            377952
    0  9223372036854775807                 4
1409:
     physpages                 52986            262155
    0            262144              1378
     oomguarpages              57155            376725
    0  9223372036854775807                18
```

(I've deleted lines with zero failcnt for clarity)

It was my understanding that if a vswap enabled container try to use more physpages than available it would start "vswapping" - is that what happens here? Otherwise how can physpages fail? Is this normal swapping behavior or a problem?

A second thing is, when I tried to raise the physpages value with vzctl it again wrote the old "block" values into the vz conf files, i.e.

i.e. before running vzctl the values are like this:
< PHYSPAGES="0:512M"
< SWAPPAGES="0:1024M"

after running vzctl --set 1413 --save --ram 512M --swap 1G the values are like this:
> PHYSPAGES="0:131072"
> SWAPPAGES="0:262144"

I already opened a bug report on this and I though it had been fixed already. Is there some undocumented flag that needs to be provided to vzctl to get it to write out the values in the easy human readable format?

Regards,
Rene

Subject: Re: vswap question - physpages/oomguarpages
Posted by Kirill Korotaev on Thu, 21 Jun 2012 05:37:56 GMT
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I guess it means oom, i.e. out of memory killer had to kill someone since vswap+ram was not enough...

Sent from my iPhonespam SPAMSPAM

On 21.06.2012, at 8:58, "Rene C." <openvz@dokbua.com> wrote:

>
> I just noticed a couple of containers on one of our vswap enabled servers have non-zero failcnt's (user_beancounters)
>
> uid resource held maxheld barrier limit failcnt
> 1413:
> physpages 84873 131166 0 131072 61
> oomguarpages 94628 377952 0 9223372036854775807 4
> 1409:
> physpages 52986 262155 0 262144 1378
> oomguarpages 57155 376725 0 9223372036854775807 18
>
> (I've deleted lines with zero failcnt for clarity)
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>

> Regards,
> Rene
>
> <ATT00001.c>

Subject: Re: vswap question - physpages/oomguarpages
Posted by kir on Tue, 26 Jun 2012 19:16:25 GMT
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On 06/21/2012 08:44 AM, Rene C. wrote:
> A second thing is, when I tried to raise the physpages value with
> vzctl it again wrote the old "block" values into the vz conf files, i.e.
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> I already opened a bug report on this and I though it had been fixed
> already.

A bug report is a bug report. It have status, and whenever something
about the bug changes, it is usually reflected in the bug report.

> Is there some undocumented flag that needs to be provided to vzctl to
> get it to write out the values in the easy human readable format?

I have replied in that bug report. vzctl was never doing this (ie it was
always saving parameters in simple numeric form, without any suffixes).
More to day, doing it right requires non-trivial changes, so I set this
bug severity to be enhancement.
