
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 | limit | held | maxheld |
|---------|---------------------|-------|---------|---------|
| barrier | | | 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 thought 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
