
Subject: inconsistent physpages when validating config file
Posted by [narcisgarcia](#) on Wed, 23 Nov 2011 19:21:33 GMT
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I'm using Debian 6 (stable, Linux 2.6.32) with vzctl version 3.0.24
Look at error message and same memory results in the container.

```
$ getconf PAGE_SIZE  
4096
```

```
$ vzctl create 777 --ostemplate debian-6.0-x86  
Creating container private area (debian-6.0-x86)  
Performing postcreate actions  
Container private area was created
```

```
$ vzctl set 777 --physpages 0:256m --swappages 0:512m --setmode restart --save  
Saved parameters for CT 777
```

```
$ vzlist --all --output ctid,physpages.b,physpages.l,swappages.b,swappages.l  
CTID  PHYSP.B  PHYSP.L  SWAPP.B  SWAPP.L  
777      0    65536      0   131072
```

```
$ vzctl start 777  
Starting container ...  
Container is mounted  
Setting CPU units: 1000  
Container start in progress...
```

```
$ vzctl exec 777 "free -m"  
total     used     free   shared  buffers   cached  
Mem:       256       10      245       0       0       0  
-/+ buffers/cache:      10      245  
Swap:      512       0      512
```

```
$ vzcfgvalidate -r /etc/vz/conf/777.conf  
Error: limit should be = 2147483647 for physpages (currently, 65536)  
set to 2147483647  
Validation completed: success
```

```
$ vzctl stop 777  
Stopping container ...  
Container was stopped  
Container is unmounted
```

```
$ vzctl start 777  
Starting container ...  
Container is mounted  
Setting CPU units: 1000
```

Container start in progress...

```
$ vzlist --all --output ctid,physpages.b,physpages.l,swappages.b,swappages.l  
CTID  PHYSP.B  PHYSP.L  SWAPP.B  SWAPP.L  
777    0 2147483647    0      0
```

```
$ vzctl exec 777 "free -m"  
total   used   free   shared   buffers   cached  
Mem:     256     10     245      0       0       0  
-/+ buffers/cache:     10     245  
Swap:    512     0     512
```

```
$ vzcfgvalidate -r /etc/vz/conf/777.conf
```

Validation completed: success

I don't understand why physpages.l should be 2147483647 instead of 65536, and why once the value is "corrected", RAM and Swap for the container still have the initial values set.

Subject: Re: inconsistent physpages when validating config file

Posted by [narcisgarcia](#) **on** Tue, 27 Dec 2011 09:19:44 GMT

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What's wrong in the memory setting command?

Why vzcfgvalidate finds invalid values and why resultant strange values are right?

Subject: Re: inconsistent physpages when validating config file

Posted by [Artem](#) **on** Tue, 27 Dec 2011 10:55:53 GMT

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can you provide your OpenVZ kernel version (uname -sr) ?

What are 'vmguarpages' and 'privvmpages' values set in your config? (I suppose they are set to near 256m). It is possible that you are using non-VSwap kernel, then you need to set physpages to 0:MAXLONG and use other *pages to configure memory.

[wiki.openvz.org/VSwap](#)

Subject: Re: inconsistent physpages when validating config file

Posted by [narcisgarcia](#) **on** Tue, 27 Dec 2011 12:48:42 GMT

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\$ lsb_release -sd

Debian GNU/Linux 6.0.3 (squeeze)

```
$ uname -sr  
Linux 2.6.32-5-openvz-686
```

```
$ vzctl --version  
vzctl version 3.0.24
```
