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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.

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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?

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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](http://wiki.openvz.org/VSwap)

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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
```

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