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