
Subject: vzsplit bug?

Posted by [daaz](#) on Mon, 06 Apr 2009 18:58:39 GMT

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Hello,

I'm using OpenVZ on CentOS 5.2 (please see below for kernel and tools version). I created a few large containers using vzsplit, but had to manually increase privvmpages on them because of failcnts. I noticed that several settings do not change with the number of containers:

```
# for i in 1 2 3 4; do vzsplit -n $i |grep VM; echo "-----"; done
```

The optimal swap space size is 7877 Mb, twice bigger than the RAM size

```
VMGUARPAGES="605025:9223372036854775807"
```

```
PRIVVMPAGES="605025:665527"
```

```
-----
```

The optimal swap space size is 7877 Mb, twice bigger than the RAM size

```
VMGUARPAGES="605025:9223372036854775807"
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```
VMGUARPAGES="605025:9223372036854775807"
```

```
PRIVVMPAGES="605025:665527"
```

```
-----
```

privvmpages does not change until "vzsplit -n 27", although
vmguarpages does change after "vzsplit -n 4". Is this a bug?

My kernel/library versions follow.

Thank you,

daaz

```
# uname -a
```

```
Linux myhost.mydomain 2.6.18-92.1.18.el5.028stab060.2 #1 SMP Tue Jan 13 11:38:36 MSK  
2009 x86_64 x86_64 x86_64 GNU/Linux
```

```
# rpm -qa|grep vz
```

```
vzctl-lib-3.0.23-1
```

```
vzquota-3.0.12-1
```

ovzkernel-2.6.18-92.1.18.el5.028stab060.2
vzctl-3.0.23-1

Subject: Re: vzplit bug?
Posted by [maratrus](#) on Tue, 07 Apr 2009 13:53:15 GMT
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Hi,

at first glance it's a sensible behavior since privvmpages accounts allocated (but possibly not used) memory.

Subject: Re: vzplit bug?
Posted by [daaz](#) on Thu, 09 Apr 2009 18:15:36 GMT
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Thank you, maratrus. But, it seems to me that something isn't right if you get the same config for a container supposedly having 1/2 the resources of the hardware node and for one with 1/5 the resources. I ended up by starting with the config generated by "vzsplit -n 6" and multiplying most parameters by 2 and 3, respectively, to get containers with 1/3 and 1/2 the resources of the hardware. I did that for all parameters except NUMIPTENT, DISKSPACE, DISKINODES, and CPUUNITS. Hopefully, I'm not doing anything terribly wrong.

Subject: Re: vzplit bug?
Posted by [maratrus](#) on Fri, 10 Apr 2009 06:14:31 GMT
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Anyway, feel free to create a bugreport in case you have any suggestions.

Some useful links

http://wiki.openvz.org/UBC_consistency_check

http://wiki.openvz.org/UBC_systemwide_configuration

<http://wiki.openvz.org/UBC>

Subject: Re: vzplit bug?
Posted by [daaz](#) on Wed, 15 Apr 2009 18:13:41 GMT
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Once again, maratrus, thank you for the excellent pointers (I did come across those on the wiki, by the way) and suggestions.