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Subject: Vzsplit question

Posted by [Romeo Theriault](#) on Tue, 12 Dec 2006 01:00:56 GMT

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Hello, I think I'm not entirely understanding how vzsplit works.

I want to split my server up into 20 ve's. So I ran this:

```
vzsplit -n 20 -f vps.mytest
```

Which creates the appropriate file. Which I use as my template when creating new VE's. Great.

But when I run vzcalc on one of the ve's that I've created with the template made with vzsplit, this is what it shows:

```
[root@vz ~]# vzcalc 101
Resource   Current(%) Promised(%) Max(%)
Memory     0.28      20.45     22.46
```

I'm confused because I thought splitting it up for 20 ve's would give a promised of around 5%, not 20%. How can 20 ve's each be promised 20%?

Here is the output of vzcpucheck with two ve's running with the aforementioned template from above.

```
[root@vz ~]# vzcpucheck
Current CPU utilization: 35758
Power of the node: 183537
```

Here is the vz script called 101.conf that the above vzsplit created. I modified only the Disk quota's and the hostname, ip\_address, nameservers paramters:

```
NUMPROC="400:400"
AVNUMPROC="111:111"
NUMTCPSOCK="400:400"
NUMOTHERSOCK="400:400"
VMGUARPAGES="310531:2147483647"
```

```
# Secondary parameters
KMEMSIZE="9130147:10043161"
TCPSNDBUF="1404982:3043382"
TCPRCVBUF="1404982:3043382"
OTHERSOCKBUF="702491:2340891"
DGRAMRCVBUF="702491:702491"
```

```
OOMGUARPAGES="310531:2147483647"  
PRIVVMPAGES="310531:341584"
```

```
# Auxiliary parameters
```

```
LOCKEDPAGES="445:445"  
SHMPAGES="31053:31053"  
PHYSPAGES="0:2147483647"  
NUMFILE="3552:3552"  
NUMFLOCK="355:390"  
NUMPTY="40:40"  
NUMSIGINFO="1024:1024"  
DCACHESIZE="1986361:2045952"  
NUMIPTENT="100:100"
```

```
# Disk space
```

```
DISKSPACE="5000000:5100000"  
DISKINODES="665374:731912"  
QUOTATIME="600"
```

```
# CPU Scheduling
```

```
CPUUNITS="8573"  
VE_ROOT="/vz/root/$VEID"  
VE_PRIVATE="/vz/private/$VEID"  
OSTEMPLATE="centos-4-i386-default"  
ORIGIN_SAMPLE="vps.mytest"  
ONBOOT="yes"  
HOSTNAME="not.a.real.hostname.com"  
IP_ADDRESS="555.555.555.555"  
NAMESERVER="555.555.555.555"
```

The script also validates with `vzcfgvalidate`, so I'm assuming this is an error of my understanding. Would someone be kind enough to explain to me how this works.

Thanks,

Romeo

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Subject: Re: Vzsplit question

Posted by [TheWiseOne](#) on Tue, 12 Dec 2006 01:04:53 GMT

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Romeo Theriault wrote:

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> Resource Current(%) Promised(%) Max(%)  
> Memory 0.28 20.45 22.46  
>

Try vzsplit with "-s 0", the regular way it takes swap into account which is generally a bad idea.

Regards,  
Matt

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Subject: Re: Vzsplit question  
Posted by [Romeo Theriault](#) on Tue, 12 Dec 2006 20:55:38 GMT  
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On 12/11/06 8:04 PM, "Matt Ayres" <matta@tektonic.net> wrote:

>  
>  
> Romeo Theriault wrote:  
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>  
> Try vzsplit with "-s 0", the regular way it takes swap into account

> which is generally a bad idea.

>

> Regards,

> Matt

Thank you! Using the -s 0 gives results much more like I was expecting.

Romeo

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