

Yap.. sorry might be off topic..

- Yes, i split VE using command line vzsplrit. So, I split 20, 40, 80 etc and i have those config files.
- The resource parameters are changing(decrease/increase) according to the amount of VE that i splitting..
- But start from splitting around 17 onward lower value, i.e.. 16, 15, 14,..., 10
- vmguarpages parameters wont increase from barrier 620736 pages. It still showing barrier 620736 pages on 17, and 16, ..., 10 config files.
- But cpuunits/other parameters increase/decrease accordingly on this situation.

Please have a look these splitted config files.

```
# Configuration file generated by vzsplrit for 40 VPS
# on HN with total amount of physical mem 4042 Mb
# low memory 3274 Mb, swap size 8063 Mb, Max treads 8000
# Resource commit level 0:
# Free resource distribution. Any parameters may be increased
# Primary parameters
NUMPROC="418:418"
AVNUMPROC="209:209"
NUMTCPSOCK="418:418"
NUMOTHERSOCK="418:418"
VMGUARPAGES="68777:2147483647"
```

```
# Secondary parameters
KMEMSIZE="17166725:18883397"
TCPSNDBUF="4010113:5722241"
TCPRCVBUF="4010113:5722241"
OTHERSOCKBUF="2005056:3717184"
DGRAMRCVBUF="2005056:2005056"
OOMGUARPAGES="68777:2147483647"
PRIVVMPAGES="412662:453928"
```

```
# Auxiliary parameters
LOCKEDPAGES="838:838"
SHMPAGES="41266:41266"
PHYSPAGES="0:2147483647"
```

```
NUMFILE="6688:6688"  
NUMFLOCK="668:734"  
NUMPTY="41:41"  
NUMSIGINFO="1024:1024"  
DCACHESIZE="3740085:3852288"  
NUMIPTENT="50:50"  
DISKSPACE="1666190:1832810"  
DISKINODES="860512:946564"  
CPUUNITS="7808"
```

```
# Configuration file generated by vzsplrit for 20 VEs  
# on HN with total amount of physical mem 4041 Mb  
# low memory 3273 Mb, swap size 8063 Mb, Max treads 8000  
# Resource commit level 0:  
# Free resource distribution. Any parameters may be increased  
# Primary parameters  
NUMPROC="836:836"  
AVNUMPROC="418:418"  
NUMTCPSOCK="836:836"  
NUMOTHERSOCK="836:836"  
VMGUARPAGES="620736:2147483647"
```

```
# Secondary parameters  
KMEMSIZE="34322554:37754809"  
TCPSNDBUF="8016595:11440851"  
TCPRCVBUF="8016595:11440851"  
OTHERSOCKBUF="4008297:7432553"  
DGRAMRCVBUF="4008297:4008297"  
OOMGUARPAGES="620736:2147483647"  
PRIVVMPAGES="620736:682809"
```

```
# Auxiliary parameters  
LOCKEDPAGES="1675:1675"  
SHMPAGES="62073:62073"  
PHYSPAGES="0:2147483647"  
NUMFILE="13376:13376"  
NUMFLOCK="1000:1100"  
NUMPTY="83:83"  
NUMSIGINFO="1024:1024"  
DCACHESIZE="7480170:7704576"  
NUMIPTENT="100:100"  
DISKSPACE="3332381:3665620"  
DISKINODES="1721025:1893128"  
CPUUNITS="15242"
```

```
# Configuration file generated by vzsplite for 10 VEs
# on HN with total amount of physical mem 4041 Mb
# low memory 3273 Mb, swap size 8063 Mb, Max treads 8000
# Resource commit level 0:
# Free resource distribution. Any parameters may be increased
# Primary parameters
NUMPROC="1674:1674"
AVNUMPROC="837:837"
NUMTCPSOCK="1674:1674"
NUMOTHERSOCK="1674:1674"
VMGUARPAGES="620736:2147483647"
```

```
# Secondary parameters
KMEMSIZE="68645109:75509619"
TCPSNDBUF="16024999:22881703"
TCPRCVBUF="16024999:22881703"
OTHERSOCKBUF="8012499:14869203"
DGRAMRCVBUF="8012499:8012499"
OOMGUARPAGES="620736:2147483647"
PRIVVMPAGES="620736:682809"
```

```
# Auxiliary parameters
LOCKEDPAGES="3351:3351"
SHMPAGES="62073:62073"
PHYSPAGES="0:2147483647"
NUMFILE="26784:26784"
NUMFLOCK="1000:1100"
NUMPTY="167:167"
NUMSIGINFO="1024:1024"
DCACHESIZE="14978236:15427584"
NUMIPTENT="200:200"
DISKSPACE="6664763:7331240"
DISKINODES="3442051:3786257"
CPUUNITS="29100"
```

So compare the last two config, 20 and 10, all other parameters increase/decrease accordingly but VMGUARPAGES, PRIVVMPAGES, OOMGUARPAGES barrier parameters are not. So, my question is

- i have to manually set the amount OR
- is this normal and i'm missing something OR
- vzsplite can not split more than 2G+ of RAM OR
- the rest of RAM(around 1.5G+) reserved for HN?

But of course, i wont offer or package more than 2G+ for VPS hosting.. I just curious to know at least.

Thanks
