Subject: VPS for Oracle, requires SWAP partition
Posted by Eric Sammons on Wed, 23 Nov 2005 19:14:02 GMT
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Trying to install Oracle into a VPS, Oracle for testing requires at least 1024 MB of SWAP defined. I have had no luck figuring out how to create a SWAP device within my RHEL VPS. Anyone have any ideas how I can create a SWAP within my VPS?

I have attempted the following,
MAKDEV zero (/dev/zero didn't exist)
dd if=/dev/zero of=/tmp/swapfile bs=1024 count=1000000
mkswap /tmp/swapfile
swapon -a /tmp/swapfile
swapon: /tmp/swapfile: Operation not permitted
swapon -s
swapon: /proc/swaps: No such file or directory

Thanks!

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by Eric Sammons on Mon, 28 Nov 2005 19:51:24 GMT
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OK was able to resolve this, turns out my VPS was not defined to have enough resources, this has been resolved.

Now; however, Oracle is install and I am running the dbca command. During the execution of this command the following occurs:

/bin/cat: /proc/swaps: No such file or directory

ACK: Altstack failed errno 12 astart 0x4ad08000 size 0xa000

Java HotSpot(TM) Client VM warning: cannot allocate alternate signal stack

Java HotSpot(TM) Client VM warning: Attempt to allocate stack guard pages failed.

Anyone know how I might get by this?

Thanks!

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by kir on Mon, 28 Nov 2005 21:00:16 GMT

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First, check that your VPS' /proc/user_beancounters does not have any bean counters with failcnt (last column) more than zero. If there are some, try to run application which gives an error once again and check if failcnt is increasing. If they do, then your application requires more resources and you need to tune up some UBC parameters.

Please keep up updated about your progress with Oracle, we will try to help you.

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by Eric Sammons on Wed, 30 Nov 2005 19:27:51 GMT
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I have looked at user_beancounters and sure enough several counters were increasing. I have bumped the sizes and applied the config. We may be there...

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by vali.dragnuta on Thu, 01 Dec 2005 16:50:21 GMT
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I managed to install oracle on a openvz PVS. (centos 4.2)
Swap is a non problem, it just complains about it but it does not matter.
I had bigger problems setting the right limits, as oracle is pretty greedy. Only creating the database requires a lot of kmemory (about 12 megs).
/proc/user_beancounters should be anybody's friend when trying to install oracle.
Anyway, I managed to get it working.

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by dim on Thu, 01 Dec 2005 17:03:06 GMT
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Default values should be changed at least for numfiles, shmempages, kmemsize and privvmpages params. The best choice, if possible, is to set unlimited values to ubc and see params max values during expected oracle load.
Here is my `cat /proc/user_beancounters` output:
[root@opteron ~]# cat /proc/user_beancounters
Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
1719:	kmemsize	7069027	16971400	2147483647	2147483647	0
	lockedpages	0	0	2147483647	2147483647	0
	privvmpages	457725	811903	2147483647	2147483647	0
	shmpages	299675	300331	2147483647	2147483647	0

```
dummy               0         0 2147483647 2147483647         0
numproc            63        93 2147483647 2147483647         0
physpages       71041    319160 2147483647 2147483647         0
vmguarpages         0         0 2147483647 2147483647         0
oomguarpages    71041    319160 2147483647 2147483647         0
numtcpsock         10        50 2147483647 2147483647         0
numflock           23        25 2147483647 2147483647         0
numpty              1         2 2147483647 2147483647         0
numsiginfo          0        31 2147483647 2147483647         0
tcpsndbuf        2228    120380 2147483647 2147483647         0
tcprcvbuf         692    171328 2147483647 2147483647         0
othersockbuf     8912     31780 2147483647 2147483647         0
dgramrcvbuf         0      8372 2147483647 2147483647         0
numothersock       12        25 2147483647 2147483647         0
dcachesize     489048    566538 2147483647 2147483647         0
numfile          1836      2805 2147483647 2147483647         0
dummy               0         0         0         0         0
dummy               0         0         0         0         0
dummy               0         0         0         0         0
numiptent          10        16 2147483647 2147483647         0
```

Messages about absence of /proc/swaps and /proc/partitions are just warnings, oracle instance may exist without these files.

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by chexov on Fri, 29 Dec 2006 02:25:22 GMT
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i got same error "swapon: swap: Operation not permitted"
can you tell how fix it?

Already check UBC. seemd no fails:

```
104:  kmemsize       4388616    7029610 2147483647 2147483647         0
      lockedpages          0          8 2147483647 2147483647         0
      privvmpages      55318      89453 2147483647 2147483647         0
      shmpages           722       2034 2147483647 2147483647         0
      dummy                0          0          0          0         0
      numproc             76        120       2645       2645         0
      physpages         5113      45350 2147483647 2147483647         0
      vmguarpages          0          0 2147483647 2147483647         0
      oomguarpages     24784      51353 2147483647 2147483647         0
      numtcpsock          16         33       2645       2645         0
      numflock             6         11       1000       1100         0
      numpty               1          3        264        264         0
      numsiginfo           0         31       1024       1024         0
```

tcpsndbuf	2216	90856	532207	11366127	0
tcprcvbuf	0	332400	532207	11366127	0
othersockbuf	93072	258432	6771200	6771200	0
dgramrcvbuf	0	11080	2147483647	2147483647	0
numothersock	84	150	2645	2645	0
dcachesize	189728	270072	2147483647	2147483647	0
numfile	1711	4309	13312	13312	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	4	4	200	200	0

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by dim on Fri, 29 Dec 2006 09:39:04 GMT
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You don't need to do swapon inside VE. VEs use swap, enabled on the HN.

Subject: Re: VPS for Oracle, requires SWAP partition
Posted by brauliobo on Sat, 08 Mar 2008 02:24:12 GMT
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Hello,

I have VPSlink site and I really need a swap space, like you, for my plone site. I've got the same errors you had (operation not permitted and /proc/swaps: No such file or directory). You said that you fixed but not how you fixed. Could you explain it for me??

Thanks,
bráulio
