Subject: help to optimize container
Posted by contenidos2000-openvz on Tue, 30 Aug 2011 10:49:18 GMT
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Hello

I have an openvz node with only one container (Cpanel server).

Yesterday I had many memories issues:

"Unable to fork: Cannot allocate memory"

Can someone help me to optimize my node setting ?

I have a 4Gb node and I can use all node resources for the container.

This is my resources output:

http://pastebin.com/iPXnf0Se

It appears this parameter failed:

cat /proc/user_beancounters
Version: 2.5
Â Â Â Â Â Â uidÂ resourceÂ Â
heldÂ Â Â Â Â Â Â Â Â Â Â Â Â
maxheldÂ Â Â Â Â Â Â Â Â Â Â Â Â barrierÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â
limitÂ Â Â Â Â Â Â Â Â Â Â Â Â failcnt
Â Â Â Â Â Â Â Â Â Â Â Â privvmpagesÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â
230416Â Â Â Â Â Â Â Â Â Â Â Â Â
1045032Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â 900000Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â
1000000Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â 363565

This is my node settting:

Â cat /etc/vz/conf/100.conf

VERSION="2"

ONBOOT="yes"

NUMPROC="10230:10230"
AVNUMPROC="5115:5115"
NUMTCPSOCK="10230:10230"

```
NUMOTHERSOCK="10230:10230"
VMGUARPAGES="491520:9223372036854775807"

# Secondary parameters
KMEMSIZE="419090432:460999475"
TCPSNDBUF="97794730:139696810"
TCPRCVBUF="97794730:139696810"
OTHERSOCKBUF="48897365:90799445"
DGRAMRCVBUF="48897365:48897365"
OOMGUARPAGES="917504:9223372036854775807"
PRIVVMPAGES="900000:1000000"

# Auxiliary parameters
LOCKEDPAGES="20463:20463"
SHMPAGES="30695:30695"
PHYSPAGES="0:9223372036854775807"
NUMFILE="163680:163680"
NUMFLOCK="1000:1100"
NUMPTY="512:512"
NUMSIGINFO="1024:1024"
DCACHESIZE="91533669:94279680"
NUMIPTENT="400:500"
DISKSPACE="203811210:224192332"
DISKINODES="5000000:6000000"
CPUUNITS="139987"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
ORIGIN_SAMPLE="1vs"

DISK_QUOTA="yes"
OSTEMPLATE="centos-5-x86_64"
IP_ADDRESS="xxx.xxx.xxx.xxx"
NAMESERVER="208.67.222.222 208.67.220.220"
HOSTNAME="xxx.xxxxxx.xxx"
QUOTAUGIDLIMIT="800"
DISKSPACE="204857600:215302400"
QUOTATIME="1200"
```

Any help ?Â Thanks in advance.

roberto

Subject: RE: help to optimize container
Posted by Esm on Tue, 30 Aug 2011 11:50:36 GMT

Hi Roberto,

My experience is that you could best allocate more memory to your container and raise the privvmpages to a value higher than the maxheld value. See if your memory problem is gone or work from there to allocate more resources.

I hope it helpedÂ…

Cheers,

EsmÃ©

Van: users-bounces@openvz.org [mailto:users-bounces@openvz.org] Namens contenidos2000-openvz@yahoo.com.ar
Verzonden: dinsdag 30 augustus 2011 12:49
Aan: Openvz
Onderwerp: [Users] help to optimize container

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It appears this parameter failed:

```
cat /proc/user_beancounters
Version: 2.5
      uid  resource                    held              maxheld
barrier              limit              failcnt
          privvmpages              230416            1045032
900000             1000000              363565
```

This is my node settting:

```
 cat /etc/vz/conf/100.conf

VERSION="2"

ONBOOT="yes"

NUMPROC="10230:10230"
AVNUMPROC="5115:5115"
NUMTCPSOCK="10230:10230"
```

```
NUMOTHERSOCK="10230:10230"
VMGUARPAGES="491520:9223372036854775807"

# Secondary parameters
KMEMSIZE="419090432:460999475"
TCPSNDBUF="97794730:139696810"
TCPRCVBUF="97794730:139696810"
OTHERSOCKBUF="48897365:90799445"
DGRAMRCVBUF="48897365:48897365"
OOMGUARPAGES="917504:9223372036854775807"
PRIVVMPAGES="900000:1000000"

# Auxiliary parameters
LOCKEDPAGES="20463:20463"
SHMPAGES="30695:30695"
PHYSPAGES="0:9223372036854775807"
NUMFILE="163680:163680"
NUMFLOCK="1000:1100"
NUMPTY="512:512"
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DISKSPACE="203811210:224192332"
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VE_ROOT="/vz/root/$VEID"
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DISK_QUOTA="yes"
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IP_ADDRESS="xxx.xxx.xxx.xxx"
NAMESERVER="208.67.222.222 208.67.220.220"
HOSTNAME="xxx.xxxxxx.xxx"
QUOTAUGIDLIMIT="800"
DISKSPACE="204857600:215302400"
QUOTATIME="1200"
```

Any help ? Thanks in advance.

roberto