
Subject: swap unlimited on the CT?

Posted by [Benjamin Henrion](#) on Thu, 13 Sep 2012 13:06:20 GMT

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Hi,

I am struggling to setup a container with unlimited parameters, including the swap.

I put in my config:

```
PHYSPAGES="unlimited"  
SWAPPAGES="unlimited"
```

But the swap stays at zero.

Any idea how to have all the swap of the HN on the CT, if possible by not calculating the amount by hand?

Best,

--

Benjamin Henrion <bhenrion at ffii.org>

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"In July 2005, after several failed attempts to legalise software patents in Europe, the patent establishment changed its strategy. Instead of explicitly seeking to sanction the patentability of software, they are now seeking to create a central European patent court, which would establish and enforce patentability rules in their favor, without any possibility of correction by competing courts or democratically elected legislators."

Subject: Re: swap unlimited on the CT?

Posted by [Benjamin Henrion](#) on Thu, 13 Sep 2012 13:20:26 GMT

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On Thu, Sep 13, 2012 at 3:06 PM, Benjamin Henrion <bh@udev.org> wrote:

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> PHYSPAGES="unlimited"  
> SWAPPAGES="unlimited"
```

Ok found the solution, apparently, commenting SWAPPAGES or removing it from the config makes the CT to have access to the whole swap of the HN.

Which is different from setting it to "unlimited". Strange, but it works...

--

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Subject: Re: Re: swap unlimited on the CT?

Posted by [John Knight](#) on Thu, 13 Sep 2012 13:34:29 GMT

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On 09/13/2012 09:20 AM, Benjamin Henrion wrote:

> On Thu, Sep 13, 2012 at 3:06 PM, Benjamin Henrion <bh@udev.org> wrote:

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>

I wonder if that's a bug or the intended behavior. It doesn't sound consistent with using 'unlimited' like other attributes. I would be worried if this were a bug that gets fixed later on before you have a chance to configure your CTs appropriately and then they start acting not as intended per your requirements.

-John

Subject: Re: Re: swap unlimited on the CT?
Posted by [kir](#) on Thu, 13 Sep 2012 15:36:10 GMT
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On 13 September 2012 17:20, Benjamin Henrion <bh@udev.org> wrote:
> On Thu, Sep 13, 2012 at 3:06 PM, Benjamin Henrion <bh@udev.org> wrote:
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>>
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> from the config makes the CT to have access to the whole swap of the
> HN.
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> Which is different from setting it to "unlimited". Strange, but it works...

Strange indeed. Can you please revert back to config when it was not working as expected, restart CT and then provide the following:

- cat /etc/vz/conf/\$CTID.conf
- cat /proc/bc/\$CTID/resources
- uname -a
- vzctl --version

Subject: Re: Re: swap unlimited on the CT?
Posted by [Benjamin Henrion](#) on Wed, 19 Sep 2012 14:28:39 GMT
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On Thu, Sep 13, 2012 at 5:36 PM, Kir Kolyshkin <kir@openvz.org> wrote:
> On 13 September 2012 17:20, Benjamin Henrion <bh@udev.org> wrote:
>> On Thu, Sep 13, 2012 at 3:06 PM, Benjamin Henrion <bh@udev.org> wrote:
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> Strange indeed. Can you please revert back to config when it was not
> working as expected, restart CT and then provide the following:
>
> - cat /etc/vz/conf/$CTID.conf
> - cat /proc/bc/$CTID/resources
> - uname -a
> - vzctl --version
```

Here it is with 16G hardcoded, I would like to have it floating so that I do not have to template it for all the hosts:

```
=====
$ cat /etc/vz/conf/$CTID.conf
# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="unlimited"
NUMPROC="unlimited"
NUMTCPSOCK="1801439850948198"
NUMOTHERSOCK="1801439850948198"
VMGUARPAGES="unlimited"
# Secondary parameters
KMEMSIZE="unlimited"
#TCPSNDBUF="2147483647:2147483647"
TCPSNDBUF="4611686018427387903:unlimited"
TCPRCVBUF="4611686018427387903:unlimited"
OTHERSOCKBUF="4611686018427387903:unlimited"
DGRAMRCVBUF="unlimited"
OOMGUARPAGES="unlimited"
# Auxiliary parameters
LOCKEDPAGES="unlimited"
SHMPAGES="unlimited"
PRIVVMPAGES="unlimited"
NUMFILE="unlimited"
NUMFLOCK="unlimited"
NUMPTY="unlimited"
NUMSIGINFO="unlimited"
DCACHESIZE="unlimited"

PHYSPAGES="0:unlimited"
NUMIPTENT="unlimited"
SWAPPAGES="16G"

# Disk quota parameters (in form of softlimit:hardlimit)
```

```
DISK_QUOTA="no"
IP_ADDRESS="192.168.20.101"
HOSTNAME="spear"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="openvz-20120912145112-stage3-amd64-20120614"
ORIGIN_SAMPLE="unlimited"
ONBOOT="yes"
```

```
=====
* 14:25 root@hn-101 /etc/vz# vzctl --version
vzctl version 3.0.29.3
* 14:25 root@hn-101 /etc/vz# uname -a
Linux hn-101 2.6.32-openvz-061.2 #1 SMP Tue Sep 11 09:11:46 UTC 2012
x86_64 Intel(R) Xeon(R) CPU E5-2690 0 @ 2.90GHz GenuineIntel GNU/Linux
```

```
=====
* 14:26 root@hn-101 /etc/vz# cat /proc/bc/1011/resources
      kmemsize           141938497           153149440
9223372036854775807 9223372036854775807           0
      lockedpages           0           0
9223372036854775807 9223372036854775807           0
      privvmpages           21028812           21323185
9223372036854775807 9223372036854775807           0
      shmpages           5243528           5244184
9223372036854775807 9223372036854775807           0
      numproc           78           156
9223372036854775807 9223372036854775807           0
      physpages           81651           106395
      0 9223372036854775807           0
      vmguarpages           0           0
9223372036854775807 9223372036854775807           0
      oomguarpages           19794           19794
9223372036854775807 9223372036854775807           0
      numtcpsock           69           71
1801439850948198 1801439850948198           0
      numflock           1           11
9223372036854775807 9223372036854775807           0
      numpty           1           5
9223372036854775807 9223372036854775807           0
      numsiginfo           0           90
9223372036854775807 9223372036854775807           0
      tcpsndbuf           1284152           1378024
4611686018427387903 9223372036854775807           0
      tcprcvbuf           1130496           1171984
4611686018427387903 9223372036854775807           0
      othersockbuf           191896           225968
4611686018427387903 9223372036854775807           0
      dgramrcvbuf           0           33032
9223372036854775807 9223372036854775807           0
```

```

numothersock          233          256
1801439850948198    1801439850948198          0
dcachesize           114319192      121356647
9223372036854775807 9223372036854775807          0
numfile              502          1100
9223372036854775807 9223372036854775807          0
numiptent             10          10
9223372036854775807 9223372036854775807          0
swappages             0          0
4194304              4194304          0
=====

```

--

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