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>
FFII Brussels - +32-484-566109 - +32-2-3500762
"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:
> Hi,
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> PHYSPAGES="unlimited"
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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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> Which is different from setting it to "unlimited". Strange, but it works...
>
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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> 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:
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> - 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
461168601842738790 3 9223372036854775807 0
tcprcvbuf 1130496 1171984
461168601842738790 3 9223372036854775807 0
othersockbuf 191896 225968
461168601842738790 3 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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