Subject: usage of swap on host server
Posted by Markus Hardiyanto on Wed, 12 Mar 2008 06:52:45 GMT

does openvz can use the swap partition on the host server for the VE inside it? because i have 2GB RAM and 2GB swap on the host server, then setup 2 VE with 1GB guaranteed RAM and 1.5GB burstable RAM for each VE.

it seems that if the 2 VE burst the RAM usage more than 2GB in total, the host didn't use its swap partition to accommodate the burst need as I check the swap partition is always show 0

is it true that i can't use the host swap as RAM for VE? in other word 2GB RAM + 2GB swap != 4GB memory can be allocated for VEs?

Best Regards,
Markus

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Subject: Re: usage of swap on host server
Posted by lst_hoe01 on Wed, 12 Mar 2008 12:14:26 GMT

Zitat von Markus Hardiyanto <markus.hardiyanto@yahoo.com>:

> does openvz can use the swap partition on the host server for the VE
> inside it? because i have 2GB RAM and 2GB swap on the host server,
> then setup 2 VE with 1GB guaranteed RAM and 1.5GB burstable RAM for
> each VE.
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> total, the host didn't use its swap partition to accommodate the
> burst need as I check the swap partition is always show 0
>
> is it true that i can't use the host swap as RAM for VE? in other
> word 2GB RAM + 2GB swap != 4GB memory can be allocated for VEs?
>
> Best Regards,
> Markus

The VE can use the memory supplied by the hardware node. It does not matter if the HW node uses RAM or SWAP beside performance. If the HW node does not use SWAP you simply have not *used* but maybe only reserved more then 2GB in sum (HW-node + VE). You can check /proc/meminfo on the HW-node to see how much of your RAM is used.

Regards

Andreas

--
All your trash belong to us ;-) www.spamschlucker.org
To: stephan@spamschlucker.org

Subject: Re: usage of swap on host server
Posted by kir on Wed, 12 Mar 2008 14:27:07 GMT
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Markus Hardiyanto wrote:
> does openvz can use the swap partition on the host server for the VE
> inside it? because i have 2GB RAM and 2GB swap on the host server,
> then setup 2 VE with 1GB guaranteed RAM and 1.5GB burstable RAM for
> each VE.
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> it seems that if the 2 VE burst the RAM usage more than 2GB in total,
> the host didn't use its swap partition to accommodate the burst need
> as I check the swap partition is always show 0
>
> is it true that i can't use the host swap as RAM for VE? in other word
> 2GB RAM + 2GB swap != 4GB memory can be allocated for VEs?
Host system swap is definitely used then needed.

PS in OpenVZ we do not understand terms such as "burstable RAM". Where
have you got it from?

Subject: Re: usage of swap on host server
Posted by Danny Terweij on Wed, 12 Mar 2008 15:16:24 GMT
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From: "Kir Kolyshkin" <kir@openvz.org>
> PS in OpenVZ we do not understand terms such as "burstable RAM". Where
> have you got it from?

As far as i know OpenVZ have garanteed and burstable RAM. (Xen does not have
burstable RAM).
And we use it fine.
It also should use the HN's SWAP as additional memory for the VE's

---

Danny.

Subject: Re: usage of swap on host server
Posted by Markus Hardiyanto on Thu, 13 Mar 2008 01:57:42 GMT
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the problem is i'm starting to get error: fork: cannot allocate memory, and when it happens apache will show 500 internal server error and wont fix if i'm not stopping and starting it manually. any way to prevent this? I want the RAM allocation for the VE remains the same.

Best Regards,
Markus

----- Original Message ----
From: Danny Terweij <danny@leto.nettuning.net>
To: users@openvz.org
Sent: Wednesday, March 12, 2008 23:16:24
Subject: Re: [Users] usage of swap on host server

It also should use the HN's SWAP as additional memory for the VE's

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---

Subject: Re: usage of swap on host server
Posted by Jerry Del Rio on Thu, 13 Mar 2008 02:16:26 GMT
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Markus, if you plan to have just a few users you may want to
reduce the number of processes apache will fork by deault.
Take a look at the "StartServers" parameter in
the <IfModule prefork.c> section of the httpd.conf file.

Good luck

-Jerry

Quoting Markus Hardiyanto <markus.hardiyanto@yahoo.com>:

> the problem is i'm starting to get error: fork: cannot allocate
> memory, and when it happens apache will show 500 internal server
> error and wont fix if i'm not stopping and starting it manually. any
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> the same.
>
> Best Regards,
> Markus
>
> ----- Original Message ----
> From: Danny Terweij <danny@leto.nettuning.net>
> To: users@openvz.org
> Sent: Wednesday, March 12, 2008 23:16:24
> Subject: Re: [Users] usage of swap on host server
>
> It also should use the HN's SWAP as additional memory for
> the VE's
>
>
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>
> Send instant messages to your online friends http://uk.messenger.yahoo.com
>
> --
> This message has been scanned for viruses and
> dangerous content by MailScanner, and is
> believed to be clean.
>

--
This message has been scanned for viruses and
dangerous content by MailScanner, and is
believed to be clean.

Subject: Re: usage of swap on host server
Posted by Raimund Sacherer on Thu, 13 Mar 2008 02:28:58 GMT
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On 13/03/2008, at 2:57, Markus Hardiyanto wrote:

> the problem is i'm starting to get error: fork: cannot allocate
> memory, and when it happens apache will show 500 internal server
> error and wont fix if i'm not stopping and starting it manually. any
> way to prevent this? I want the RAM allocation for the VE remains
> the same.
>
try looking in the file /proc/user_beancounters
if there are in the last column (failcnt) positive values (i guess at
privvmpages) then go to the wiki and there is the behavior of
privvmpages documented, you should set this higher for your VM's

best
raimund

> Best Regards,
> Markus
>
> ----- Original Message ----
> From: Danny Terweij <danny@leto.nettuning.net>
> To: users@openvz.org
> Sent: Wednesday, March 12, 2008 23:16:24
> Subject: Re: [Users] usage of swap on host server
>
> It also should use the HN's SWAP as additional memory for
> the VE's
>
>
>
>
>
> Send instant messages to your online friends http://uk.messenger.yahoo.com
>

Subject: Re: usage of swap on host server
Posted by Markus Hardiyanto on Thu, 13 Mar 2008 02:51:22 GMT
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Hello Jerry,

thanks for your suggestion, but other process also having the same problem, such as firewall and
email server.

Best Regards,
Markus

----- Original Message ----

From: Jerry Del Rio <jdelrio@qunoc.com>
To: users@openvz.org; Markus Hardiyanto <markus.hardiyanto@yahoo.com>
Sent: Thursday, March 13, 2008 10:16:26
Subject: Re: [Users] usage of swap on host server

Markus, if you plan to have just a few users you may want to
reduce the number of processes apache will fork by deault.
Take a look at the "StartServers" parameter in
the <IfModule prefork.c> section of the httpd.conf file.

Good luck

-Jerry

Quoting Markus Hardiyanto <markus.hardiyanto@yahoo.com>:

> the problem is i'm starting to get error: fork: cannot allocate
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> error and wont fix if i'm not stopping and starting it manually. any
> way to prevent this? I want the RAM allocation for the VE remains
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> Best Regards,
> Markus
>
> ----- Original Message ----
> From: Danny Terweij <danny@leto.nettuning.net>
> To: users@openvz.org
> Sent: Wednesday, March 12, 2008 23:16:24
> Subject: Re: [Users] usage of swap on host server
>
> It also should use the HN's SWAP as additional memory for
> the VE's
>
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>
> Send instant messages to your online friends http://uk.messenger.yahoo.com
>
> _____
> Users mailing list

--
This message has been scanned for viruses and
dangerous content by MailScanner, and is
believed to be clean.

Send instant messages to your online friends http://uk.messenger.yahoo.com

---

Subject: Re: usage of swap on host server
Posted by Benoit Branciard on Thu, 13 Mar 2008 07:19:57 GMT
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Markus Hardiyanto a écrit :
> the problem is i'm starting to get error: fork: cannot allocate memory, and when it happens
apache will show 500 internal server error and wont fix if i'm not stopping and starting it manually.
any way to prevent this? I want the RAM allocation for the VE remains the same.
>

Just to be sure, don't you have some resource limits hit for your VZ
(have a look to /proc/user_beancounters)? If so, raising the faulty
limit should help.

--
Ce message a ete verifie par MailScanner
pour des virus ou des polluriels et rien de
suspect n'a ete trouve.