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Subject: Query on host swapping of guest pages.

Posted by [Arn](#) on Sat, 05 Jul 2008 05:42:57 GMT

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Hi,

I need to know the following for some experiments I'm doing as part of a school project:

Does OpenVZ support host swapping of guest pages ? That is : if a host experiences memory pressure, can it swap out some of a guest's (guest vm) pages and use them ? I assume that if this is possible then when the guest needs to use the memory again it will be swapped back in ? Can someone confirm if OpenVz does this ?

Also, can the host change the memory allocation for a guest at runtime (while the guest is running) ?

Thanks

Arn

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Subject: Re: Query on host swapping of guest pages.

Posted by [Kirill Korotaev](#) on Sun, 06 Jul 2008 18:19:19 GMT

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Arn wrote:

> Hi,

>

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> a school project:

>

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> experiences memory pressure, can it swap out some of a guest's (guest  
> vm) pages and use them ? I assume that if this is possible then when  
> the guest needs to use the memory again it will be swapped back in ?  
> Can someone confirm if OpenVz does this ?

yes, it does.

> Also, can the host change the memory allocation for a guest at runtime  
> (while the guest is running) ?

not sure what you mean...

>

> Thanks

> Arn

>

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Subject: Re: Query on host swapping of guest pages.

Posted by [Arn](#) on Mon, 07 Jul 2008 02:47:44 GMT

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On Sun, Jul 6, 2008 at 2:19 PM, Kirill Korotaev <dev@parallels.com> wrote:

>

>> Does OpenVZ support host swapping of guest pages ? That is : if a host  
>> experiences memory pressure, can it swap out some of a guest's (guest  
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>

> yes, it does.

>

>> Also, can the host change the memory allocation for a guest at runtime  
>> (while the guest is running) ?

>

> not sure what you mean...

Kirill, thanks for the response.

What I mean is that if we specify that a guest VM has say 512 MB of physical RAM when we are initializing/starting the VM then can we change it later while the guest is still running. That is, can I later reduce or increase the amount of physical RAM the guest VM has without restarting it ?

Thanks

Arn

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Subject: Re: Query on host swapping of guest pages.

Posted by [Kirill Korotaev](#) on Mon, 07 Jul 2008 05:15:09 GMT

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Arn wrote:

> On Sun, Jul 6, 2008 at 2:19 PM, Kirill Korotaev <dev@parallels.com> wrote:  
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> reduce or increase the amount of physical RAM the guest VM has without  
> restarting it ?

yes.

Kirill

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