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

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,
>
> I need to know the following for some experiments I'm doing as part of
> 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
>

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 initalizing/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

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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> physical RAM when we are initalizing/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 ?

yes.

Kirill
