Subject: Question About /proc file system in VMs. Posted by shule ney on Tue, 02 Aug 2011 23:42:41 GMT

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I'm wondering if I can write and execute virtual file system like /proc in OpenVz VMs. For example, write a module to check the incoming traffic rate of this VM and show it in this VM's /proc as a file. I know different VMs share one kernel, is it possible??? Thanks very much guys.

Subject: Re: Question About /proc file system in VMs. Posted by avagin on Wed, 03 Aug 2011 06:45:36 GMT View Forum Message <> Reply to Message

On 08/03/2011 03:42 AM, shule ney wrote:

- > *Hi, all:*
- > *I'm wondering if I can write and execute virtual file system like
- > /proc in OpenVz VMs. For example, write a module to check the
- > incoming traffic rate of this VM and show it in this VM's /proc as a
- > file. I know different VMs share one kernel, is it possible??? Thanks
- > very much guys.*

>

Subject: Re: Question About /proc file system in VMs. Posted by avagin on Wed, 03 Aug 2011 06:51:12 GMT View Forum Message <> Reply to Message

On 08/03/2011 03:42 AM, shule ney wrote:

- > *Hi, all:*
- > *I'm wondering if I can write and execute virtual file system like
- > /proc in OpenVz VMs. For example, write a module to check the
- > incoming traffic rate of this VM and show it in this VM's /proc as a
- > file. I know different VMs share one kernel, is it possible??? Thanks
- > very much guys.*

Yes. It's possible. You can write file system as module, load it from host (CT0) and mount your file system from CT.

And you can't do that, if you have access to CT only.

>

>

Subject: Re: Question About /proc file system in VMs. Posted by shule ney on Wed, 03 Aug 2011 15:10:00 GMT

^{*}Hi, all:*

monitor different VM's traffic, and each VM can see its own traffic insdie, is it possible?

2011/8/3 Andrew Vagin <avagin@gmail.com> > On 08/03/2011 03:42 AM, shule ney wrote: >> *Hi. all:* >> *I'm wondering if I can write and execute virtual file system like /proc >> in OpenVz VMs. For example, write a module to check the incoming traffic >> rate of this VM and show it in this VM's /proc as a file. I know different >> VMs share one kernel, is it possible??? Thanks very much guys.* Yes. It's possible. You can write file system as module, load it from host > (CT0) and mount your file system from CT. > And you can't do that, if you have access to CT only. > > >> >> >> Users mailing list >> Users@openvz.org >> https://openvz.org/mailman/**listinfo/users<https://openvz.org/mailman/listinfo/users> >> > > Users mailing list > Users@openvz.org > https://openvz.org/mailman/**listinfo/users<https://openvz.org/mailman/listinfo/users> >

Subject: Re: Question About /proc file system in VMs. Posted by Martin Dobrev on Wed, 03 Aug 2011 16:37:12 GMT View Forum Message <> Reply to Message

I'm not quite sure what you want to do, but each CT has it's own virtual /proc. If you check for example the traffic of the veth/venet interface inside a CT you'll see only the information for the particular CT. Or you want to have a module showing information for all CTs?

?? 3.8.2011 ?. 18:10 ?., shule ney ??????: >

```
> Thanks very much vagin, I have access to CTO, I want to have a module
> to monitor different VM's traffic, and each VM can see its own traffic
> insdie, is it possible?
>
>
> 2011/8/3 Andrew Vagin <avagin@gmail.com <mailto:avagin@gmail.com>>
>
    On 08/03/2011 03:42 AM, shule ney wrote:
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>
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>
    And you can't do that, if you have access to CT only.
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>
>
      Users mailing list
>
      Users@openvz.org <mailto:Users@openvz.org>
>
      https://openvz.org/mailman/listinfo/users
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>
>
    Users mailing list
>
    Users@openvz.org <mailto:Users@openvz.org>
>
    https://openvz.org/mailman/listinfo/users
>
>
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>
```

Subject: Re: Question About /proc file system in VMs. Posted by shule ney on Wed, 03 Aug 2011 17:42:59 GMT View Forum Message <> Reply to Message

^{*}Thanks for your reply Dobrev. my bad, I think I made it a little confusing. *

^{*}For example: I have a chunk of memory in kernel for every VMs by MMAP (every VM has a corresponding area of memory in kernel using MMAP), and kernel may copy some data to this area of memory for each VM.*

/proc like virtual file system??? 2011/8/3 Martin Dobrev <martin@dobrev.eu> > I'm not quite sure what you want to do, but each CT has it's own virtual > /proc. If you check for example the traffic of the veth/venet interface > inside a CT you'll see only the information for the particular CT. Or you > want to have a module showing information for all CTs? > > > > monitor different VM's traffic, and each VM can see its own traffic insdie, > is it possible? > > > 2011/8/3 Andrew Vagin <avagin@gmail.com> >> On 08/03/2011 03:42 AM, shule ney wrote: >> >>> *Hi, all:* >>> *I'm wondering if I can write and execute virtual file system like /proc >>> in OpenVz VMs. For example, write a module to check the incoming traffic >>> rate of this VM and show it in this VM's /proc as a file. I know different >>> VMs share one kernel, is it possible??? Thanks very much guys.* >>> >> Yes. It's possible. You can write file system as module, load it from host >> (CT0) and mount your file system from CT. >> And you can't do that, if you have access to CT only. >> >> >>> > Users mailing listUsers@openvz.orghttps://openvz.org/mailman/listinfo/user s > >

*The question is: how can I check the speed of this copy??Can I write a

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