
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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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 06:45:36 GMT
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On 08/03/2011 03:42 AM, shule ney wrote:

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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
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>

Subject: Re: Question About /proc file system in VMs.
Posted by [avagin](#) on Wed, 03 Aug 2011 06:51:12 GMT
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On 08/03/2011 03:42 AM, shule ney wrote:

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> 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

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

2011/8/3 Andrew Vagin <avagin@gmail.com>

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Subject: Re: Question About /proc file system in VMs.

Posted by [Martin Dobrev](#) on Wed, 03 Aug 2011 16:37:12 GMT

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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 CT0, I want to have a module
> to monitor different VM's traffic, and each VM can see its own traffic
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>
>
>
> 2011/8/3 Andrew Vagin <avagin@gmail.com <mailto:avagin@gmail.com>>
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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
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*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.

*The question is: how can I check the speed of this copy??Can I write a /proc like virtual file system???

*

2011/8/3 Martin Dobrev <martin@dobrev.eu>

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> 2011/8/3 Andrew Vagin <avagin@gmail.com>

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