
Subject: Access to /sys/class/dmi/id/* from VE
Posted by [ramjet](#) on Tue, 08 Sep 2009 22:31:19 GMT
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I would like to access the dmi values /sys/class/dmi/id/* of the hardware host inside the VE's.
E.g.

```
/sys/class/dmi/id/product_serial  
/sys/class/dmi/id/product_uuid
```

I can achieve it using dmidecode(1) after applying
DEVNODES="mem:r "
CAPABILITY="SYS_RAWIO:on "

but I prefer the simple /sys/class interface because of security issues and because dmidecode can be spoofed.

I have looked at the kernel sources and thought it would be an easy task but found the code too generic for me.

Subject: Re: Access to /sys/class/dmi/id/* from VE
Posted by [maratrus](#) on Fri, 11 Sep 2009 13:19:01 GMT
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Hi,

I'm afraid nobody will prepare a patch for this particular thing mostly because nobody will support a custom kernel.

I think that you show a good way of solving your problem.

Do these parameters are only readable?
Don't you want to use bindmounts from the HN into the VE.

Subject: Re: Access to /sys/class/dmi/id/* from VE
Posted by [ramjet](#) on Fri, 11 Sep 2009 19:43:04 GMT
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Thanks for your answer.

I just tested bindmount which worked except I was not allowed to create mountpoint \$VZDIR/root/148/sys/class/dmi so I created \$VZDIR/root/148/tmp/dmi and could bindmount there.

Let me explain why I need this. I have created a simple software license key system which is bound to the serialnumber and UUID of a physical server. I read those values from the files found

in /sys/class/dmi/id/. So using bindmount I could try to read dmi values from /sys/class/dmi and if that doesn't succeed I could try to look at some other mountpoint as a fallback.

It would be really awesome if OpenVZ could support fake dmi values per container like VMware and Parallels do:

VMware
system-product-name=VMware Virtual Platform

Parallels
system-product-name=Parallels Virtual Platform

Do you have any idea of how difficult that would be?

The following information should be available:

bios_date
bios_vendor
bios_version
board_asset_tag
board_name
board_serial
board_vendor
board_version
chassis_asset_tag
chassis_serial
chassis_type
chassis_vendor
chassis_version
product_name
product_serial
product_uuid
product_version

Subject: Re: Access to /sys/class/dmi/id/* from VE
Posted by [ramjet](#) on Wed, 30 Sep 2009 19:55:22 GMT
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Bindmount works fine but I need to mount my directory with fake dmi files at /sys/class/dmi/id.

How can I add the directories dmi/id to the /sys/class hierarchy and make id directory writeable so I can bindmount there?

I really appreciate any help or pointers for this.
