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Subject: Re: [patch 1/2] [RFC] Simple tamper-proof device filesystem.  
Posted by [Tetsuo Handa](#) on Tue, 18 Dec 2007 03:40:25 GMT  
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Hello.

Serge E. Hallyn wrote:

```
> Nope, try
>
> touch /root/hda1
> ls -l /root/hda1
> mount --bind /dev/hda1 /root/hda1
> ls -l /root/hda1
```

```
[root@sakura ~]# touch /root/hda1
[root@sakura ~]# ls -l /root/hda1
-rw-r--r-- 1 root root 0 Dec 18 12:04 /root/hda1
[root@sakura ~]# mount --bind /dev/hda1 /root/hda1
[root@sakura ~]# ls -l /root/hda1
brw-r----- 1 root disk 3, 1 Dec 18 2007 /root/hda1
```

Oh, surprising.

I didn't know mount() accepts non-directory for mount-point.

But I think this is not a mount operation

because I can't see the contents of /dev/hda1 through /root/hda1 .

Can I see the contents of /dev/hda1 through /root/hda1 ?

> Then it sounds like this filesystem is something Tomoyo can use.

I had / partition mounted for read-only so that the admin can't do

'mknod /root/hda1 b 3 1' in 2003, and I named it

"Security Advancement Know-how Upon Readonly Approach for Linux" or SAKURA Linux.

This filesystem (SYAORAN) is developed to make /dev writable and tamper-proof

when / partition is read-only or protected by MAC.

TOMOYO is a pathname-based MAC implementation, and

SAKURA and SYAORAN were merged into TOMOYO Linux. ;-)

Regards.

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Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

<https://lists.linux-foundation.org/mailman/listinfo/containers>

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