

---

Subject: Re: [patch 7/8] allow unprivileged mounts  
Posted by [ebiederm](#) on Sat, 21 Apr 2007 14:10:18 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Andrew Morton <[akpm@linux-foundation.org](mailto:akpm@linux-foundation.org)> writes:

> On Fri, 20 Apr 2007 12:25:39 +0200 Miklos Szeredi <[miklos@szeredi.hu](mailto:miklos@szeredi.hu)> wrote:  
>  
>> Define a new fs flag FS\_SAFE, which denotes, that unprivileged  
>> mounting of this filesystem may not constitute a security problem.  
>>  
>> Since most filesystems haven't been designed with unprivileged  
>> mounting in mind, a thorough audit is needed before setting this flag.  
>  
> Practically speaking, is there any realistic likelihood that any filesystem  
> apart from FUSE will ever use this?

Also potentially some of the kernel virtual filesystems. /proc should be safe already. If you don't have any kind of backing store this problem gets easier.

With unprivileged users allowed to create mounts the utility of kernel functionality exported as filesystems goes up quite a bit. We are not plan9 but this is the last bottleneck in allowing the everything is a filesystem paradigm from being really usable in linux.

Eric

---

Containers mailing list  
[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

---