Subject: Re: [patch 05/10] Add "permit user submounts" flag to vfsmount
Posted by serue on Mon, 16 Apr 2007 19:20:50 GMT
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Quoting Miklos Szeredi (miklos@szeredi.hu):
> From: Miklos Szeredi <mszeredi@suse.cz>
>
> If MNT_USERMNT flag is not set in the target vfsmount, then

MNT_USER and MNT_USERMNT? I claim no way will people keep those straight. How about MNT_ALLOWUSER and MNT_USER?

-serge

> unprivileged mounts will be denied.
>
> By default this flag is cleared, and can be set on new mounts, on
> remounts or with the MS_SETFLAGS option.
>
> Signed-off-by: Miklos Szeredi <mszeredi@suse.cz>
> ---
>
> Index: linux/fs/namespace.c
> ===
> --- linux.orig/fs/namespace.c 2007-04-13 13:20:12.000000000 +0200
> +++ linux/fs/namespace.c 2007-04-13 13:35:40.000000000 +0200
> @@ -411,6 +411,7 @@ static int show_vfsmnt(struct seq_file *
> { MNT_NOATIME, ",noatime" },
> { MNT_NODIRATIME, ",nodiratime" },
> { MNT_RELATIME, ",relatime" },
> + { MNT_USERMNT, ",usermnt" },
> { 0, NULL }
> };
> struct proc_fs_info *fs_infop;
> @@ -1505,9 +1506,11 @@ long do_mount(char *dev_name, char *dir_
> mnt_flags |= MNT_NODIRATIME;
> if (flags & MS_RELATIME)
> mnt_flags |= MNT_RELATIME;
> + if (flags & MS_USERMNT)
> + mnt_flags |= MNT_USERMNT;
>
> flags &= ~(MS_NOSUID | MS_NOEXEC | MS_NODEV | MS_ACTIVE |
> - MS_NOATIME | MS_NODIRATIME | MS_RELATIME);
> + MS_NOATIME | MS_NODIRATIME | MS_RELATIME | MS_USERMNT);
>
> /* ... and get the mountpoint */
> retval = path_lookup(dir_name, LOOKUP_FOLLOW, &nd);
> Index: linux/include/linux/mount.h

> ===
> --- linux.orig/include/linux/mount.h 2007-04-13 13:17:08.000000000 +0200
> +++ linux/include/linux/mount.h 2007-04-13 13:22:17.000000000 +0200
> @@ -28,6 +28,7 @@ struct mnt_namespace;
> #define MNT_NOATIME 0x08
> #define MNT_NODIRATIME 0x10
> #define MNT_RELATIME 0x20
> +#define MNT_USERMNT 0x40
>
> #define MNT_SHRINKABLE 0x100
> #define MNT_USER 0x200
> Index: linux/include/linux/fs.h
> ===
> --- linux.orig/include/linux/fs.h 2007-04-13 13:23:05.000000000 +0200
> +++ linux/include/linux/fs.h 2007-04-13 13:35:34.000000000 +0200
> @@ -130,6 +130,7 @@ extern int dir_notify_enable;
> #define MS_SETFLAGS (1<<23) /* set specified mount flags */
> #define MS_CLEARFLAGS (1<<24) /* clear specified mount flags */
> /* MS_SETFLAGS | MS_CLEARFLAGS: change mount flags to specified */
> +#define MS_USERMNT (1<<25) /* permit unpriv. submounts under this mount */
> #define MS_ACTIVE (1<<30)
> #define MS_NOUSER (1<<31)
>
>
> --

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