
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_infol;

> @@ -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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