
Subject: Re: [patch 05/10] add "permit user mounts in new namespace" clone flag
Posted by [serue](#) on Thu, 12 Apr 2007 20:32:08 GMT

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Quoting Miklos Szeredi (miklos@szeredi.hu):

> From: Miklos Szeredi <mszeredi@suse.cz>

>
> If CLONE_NEWNS and CLONE_NEWNS_USERMNT are given to clone(2) or
> unshare(2), then allow user mounts within the new namespace.

>
> This is not flexible enough, because user mounts can't be enabled for
> the initial namespace.

>
> The remaining clone bits also getting dangerously few...

>
> Alternatives are:

>
> - prctl() flag
> - setting through the containers filesystem

Sorry, I know I had mentioned it, but this is definately my least favorite approach.

Curious whether are any other suggestions/opinions from the containers list?

thanks,
-serge

> Signed-off-by: Miklos Szeredi <mszeredi@suse.cz>

> ---

>

> Index: linux/fs/namespace.c

> =====

> --- linux.orig/fs/namespace.c 2007-04-12 13:46:19.000000000 +0200

> +++ linux/fs/namespace.c 2007-04-12 13:54:36.000000000 +0200

> @@ -1617,6 +1617,8 @@ struct mnt_namespace *copy_mnt_ns(int fl

> return ns;

>

> new_ns = dup_mnt_ns(ns, new_fs);

> + if (new_ns && (flags & CLONE_NEWNS_USERMNT))

> + new_ns->flags |= MNT_NS_PERMIT_USERMOUNTS;

>

> put_mnt_ns(ns);

> return new_ns;

> Index: linux/include/linux/sched.h

> =====

> --- linux.orig/include/linux/sched.h 2007-04-12 13:26:48.000000000 +0200

```
> +++ linux/include/linux/sched.h 2007-04-12 13:54:36.000000000 +0200
> @@ -26,6 +26,7 @@
> #define CLONE_STOPPED 0x02000000 /* Start in stopped state */
> #define CLONE_NEWUTS 0x04000000 /* New utsname group? */
> #define CLONE_NEWIPC 0x08000000 /* New ipcns */
> +#define CLONE_NEWNS_USERMNT 0x10000000 /* Allow user mounts in ns? */
>
> /*
>  * Scheduling policies
> Index: linux/kernel/fork.c
> =====
> --- linux.orig/kernel/fork.c 2007-04-11 18:27:46.000000000 +0200
> +++ linux/kernel/fork.c 2007-04-12 13:59:10.000000000 +0200
> @@ -1586,7 +1586,7 @@ asmlinkage long sys_unshare(unsigned lon
> err = -EINVAL;
> if (unshare_flags & ~(CLONE_THREAD|CLONE_FS|CLONE_NEWNS|CLONE_SIGHAND|
> CLONE_VM|CLONE_FILES|CLONE_SYSVSEM|
> - CLONE_NEWUTS|CLONE_NEWIPC))
> + CLONE_NEWUTS|CLONE_NEWIPC|CLONE_NEWNS_USERMNT))
> goto bad_unshare_out;
>
> if ((err = unshare_thread(unshare_flags)))
>
> --
> -
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> the body of a message to majordomo@vger.kernel.org
> More majordomo info at http://vger.kernel.org/majordomo-info.html
```

Containers mailing list
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