
Subject: Re: [PATCH 6/7]: Check for user-space mount of /dev/pts

Posted by [Pavel Emelianov](#) on Tue, 25 Mar 2008 07:46:55 GMT

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sukadev@us.ibm.com wrote:

> From: Sukadev Bhattiprolu <sukadev@us.ibm.com>

> Subject: [PATCH 6/7]: Check for user-space mount of /dev/pts

>

> When the pts namespace is cloned, the /dev/pts is not useful unless it

> is remounted from the user space.

>

> If user-space clones pts namespace but does not remount /dev/pts, it

> would end up using the /dev/pts mount from parent-pts-ns but allocate

> the pts indices from current pts ns.

>

> This patch (hack ?) prevents creation of PTYs in user space unless

> user-space mounts /dev/pts.

>

> (While this patch can be folded into others, keeping this separate

> for now for easier review (and to highlight the hack :-)

>

> Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>

> ---

> fs/devpts/inode.c | 25 ++++++++-----

> include/linux/devpts_fs.h | 20 ++++++++-----

> 2 files changed, 42 insertions(+), 3 deletions(-)

>

> Index: 2.6.25-rc5-mm1/include/linux/devpts_fs.h

> =====

[snip]

> =====

> --- 2.6.25-rc5-mm1.orig/fs/devpts/inode.c 2008-03-24 20:08:33.000000000 -0700

> +++ 2.6.25-rc5-mm1/fs/devpts/inode.c 2008-03-24 20:08:57.000000000 -0700

> @@ -201,8 +201,11 @@ static int devpts_get_sb(struct file_sys

> if (IS_ERR(sb))

> return PTR_ERR(sb);

>

> - if (sb->s_root)

> + if (sb->s_root) {

> + if (!(flags & MS_KERNMOUNT))

> + ns->user_mounted = 1;

What if user space umounts this back? Won't this break?

Thanks,

Pavel

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
