
Subject: Re: [PATCH]: Factor out PTY index allocation
Posted by [Jiri Slaby](#) on Thu, 17 Apr 2008 21:08:17 GMT
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On 04/17/2008 12:17 AM, sukadev@us.ibm.com wrote:

> We noticed this while working on pts namespaces and believe this might
> be an useful change even as we rework our pts/device namespace approach.

>

> ---

>

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

> Subject: [PATCH]: Factor out PTY index allocation

>

> Factor out the code used to allocate/free a pts index into new interfaces,
> devpts_new_index() and devpts_kill_index(). This localizes the external
> data structures used in managing the pts indices.

>

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

> Signed-off-by: Serge Hallyn<serue@us.ibm.com>

> Signed-off-by: Matt Helsley<matthltc@us.ibm.com>

>

> ---

> drivers/char/tty_io.c | 40 ++++++-----

> fs/devpts/inode.c | 42 ++++++-----

> include/linux/devpts_fs.h | 4 +

> 3 files changed, 51 insertions(+), 35 deletions(-)

[...]

> Index: 2.6.25-rc8-mm2/drivers/char/tty_io.c

> =====

> --- 2.6.25-rc8-mm2.orig/drivers/char/tty_io.c 2008-04-16 09:51:11.000000000 -0700

> +++ 2.6.25-rc8-mm2/drivers/char/tty_io.c 2008-04-16 09:51:15.000000000 -0700

> @@ -137,9 +136,6 @@ EXPORT_SYMBOL(tty_mutex);

>

> #ifdef CONFIG_UNIX98_PTYS

> extern struct tty_driver *ptm_driver; /* Unix98 pty masters; for /dev/ptmx */

> -extern int pty_limit; /* Config limit on Unix98 ptys */

> -static DEFINE_IDR(allocated_ptys);

> -static DEFINE_MUTEX(allocated_ptys_lock);

[...]

> Index: 2.6.25-rc8-mm2/fs/devpts/inode.c

> =====

> --- 2.6.25-rc8-mm2.orig/fs/devpts/inode.c 2008-02-27 15:17:59.000000000 -0800

> +++ 2.6.25-rc8-mm2/fs/devpts/inode.c 2008-04-16 09:51:15.000000000 -0700

> @@ -26,6 +27,10 @@

>

> #define DEVPTS_DEFAULT_MODE 0600

>

> +extern int pty_limit; /* Config limit on Unix98 ptys */

```
> +static DEFINE_IDR(allocated_ptys);  
> +static DECLARE_MUTEX(allocated_ptys_lock);
```

Ugh, why mutex->semaphore conversion?

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
