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Subject: [PATCH 4/7] Implement get\_pts\_ns() and put\_pts\_ns()  
Posted by [Sukadev Bhattiprolu](#) on Tue, 25 Mar 2008 04:25:07 GMT  
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>  
Subject: [PATCH 4/7]: Implement get\_pts\_ns() and put\_pts\_ns()

Implement get\_pts\_ns() and put\_pts\_ns() interfaces.

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

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include/linux/devpts\_fs.h | 21 ++++++++  
1 file changed, 20 insertions(+), 1 deletion(-)

Index: 2.6.25-rc5-mm1/include/linux/devpts\_fs.h

```
=====
--- 2.6.25-rc5-mm1.orig/include/linux/devpts_fs.h 2008-03-24 20:04:31.000000000 -0700
+++ 2.6.25-rc5-mm1/include/linux/devpts_fs.h 2008-03-24 20:05:05.000000000 -0700
@@ -27,13 +27,26 @@ struct pts_namespace {
extern struct pts_namespace init_pts_ns;

#ifdef CONFIG_UNIX98_PTYS
-
int devpts_new_index(void);
void devpts_kill_index(int idx);
int devpts_pty_new(struct tty_struct *tty); /* mknod in devpts */
struct tty_struct *devpts_get_tty(int number); /* get tty structure */
void devpts_pty_kill(int number); /* unlink */

+static inline void free_pts_ns(struct kref *ns_kref) { }
+
+static inline struct pts_namespace *get_pts_ns(struct pts_namespace *ns)
+{
+ if (ns && (ns != &init_pts_ns))
+ kref_get(&ns->kref);
+ return ns;
+}
+static inline void put_pts_ns(struct pts_namespace *ns)
+{
+ if (ns && (ns != &init_pts_ns))
+ kref_put(&ns->kref, free_pts_ns);
+}
+
#else

/* Dummy stubs in the no-pty case */
@@ -43,6 +56,12 @@ static inline int devpts_pty_new(struct
static inline struct tty_struct *devpts_get_tty(int number) { return NULL; }
```

```
static inline void devpts_pty_kill(int number) { }

+static inline struct pts_namespace *get_pts_ns(struct pts_namespace *ns)
+{
+ return &init_pts_ns;
+}
+
+static inline void put_pts_ns(struct pts_namespace *ns) { }
#endif
```

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

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