Subject: [PATCH 5/7][v2]: Implement get_pts_ns() and put_pts_ns()
Posted by Sukadev Bhattiprolu on Thu, 03 Apr 2008 07:10:24 GMT

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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [PATCH 5/7][v2]: 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>
---
 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 2008-04-02 22:35:35.000000000 -0700
+++ 2.6.25-rc5-mm1/include/linux/devpts_fs.h 2008-04-02 22:42:08.000000000 -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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