Subject: [PATCH 2/6] Rename pid_nr function
Posted by Sukadev Bhattiprolu on Fri, 06 Jul 2007 05:53:16 GMT
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Subject: [PATCH 2/6] Rename pid_nr function

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

Rename pid_nr() function to pid_to_nr() which is more descriptive
and will hopefully cause less confusion with new structure/functions
being added to support multiple pid namespaces.

Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>
---
 drivers/char/n_r3964.c | 7 ++++---
 drivers/char/tty_io.c | 4 ++--
 fs/autofs/root.c | 2 +-
 fs/fcntl.c | 2 +-
 fs/proc/array.c | 2 +-
 fs/smbfs/proc.c | 2 +-
 include/linux/pid.h | 2 +-
 ipc/mqueue.c | 2 +-
 kernel/container.c | 2 +-
 kernel/fork.c | 2 +-
 kernel/sysctl.c | 2 +-
 11 files changed, 15 insertions(+), 14 deletions(-)

Index: lx26-22-rc6-mm1/include/linux/pid.h
===
--- lx26-22-rc6-mm1.orig/include/linux/pid.h 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/include/linux/pid.h 2007-07-05 18:54:29.000000000 -0700
@@ -98,7 +98,7 @@ extern struct pid *find_ge_pid(int nr);
 extern struct pid *alloc_pid(void);
 extern void FASTCALL(free_pid(struct pid *pid));

-static inline pid_t pid_nr(struct pid *pid)
+static inline pid_t pid_to_nr(struct pid *pid)
 {
  pid_t nr = 0;
  if (pid)
Index: lx26-22-rc6-mm1/drivers/char/n_r3964.c
===
--- lx26-22-rc6-mm1.orig/drivers/char/n_r3964.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/drivers/char/n_r3964.c 2007-07-05 18:54:29.000000000 -0700
@@ -771,7 +771,7 @@ static int enable_signals(struct r3964_i

    if (pClient->pid == pid) {
     TRACE_PS("removing client %d from client list",

```
-      pid_nr(pid));
+      pid_to_nr(pid));
     *ppClient = pClient->next;
     while (pClient->msg_count) {
      pMsg = remove_msg(pInfo, pClient);
@@ -801,7 +801,8 @@ static int enable_signals(struct r3964_i
    if (pClient == NULL)
     return -ENOMEM;

-   TRACE_PS("add client %d to client list", pid_nr(pid));
+   TRACE_PS("add client %d to client list",
+     pid_to_nr(pid));
    spin_lock_init(&pClient->lock);
    pClient->sig_flags = arg;
    pClient->pid = get_pid(pid);
@@ -933,7 +934,7 @@ static void remove_client_block(struct r
 {
  struct r3964_block_header *block;

- TRACE_PS("remove_client_block PID %d", pid_nr(pClient->pid));
+ TRACE_PS("remove_client_block PID %d", pid_to_nr(pClient->pid));

  block = pClient->next_block_to_read;
  if (block) {
Index: lx26-22-rc6-mm1/drivers/char/tty_io.c
===================================================================
--- lx26-22-rc6-mm1.orig/drivers/char/tty_io.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/drivers/char/tty_io.c 2007-07-05 18:54:29.000000000 -0700
@@ -3080,7 +3080,7 @@ static int tiocgpgrp(struct tty_struct *
   */
  if (tty == real_tty && current->signal->tty != real_tty)
   return -ENOTTY;
- return put_user(pid_nr(real_tty->pgrp), p);
+ return put_user(pid_to_nr(real_tty->pgrp), p);
 }

 /**
@@ -3151,7 +3151,7 @@ static int tiocgsid(struct tty_struct *t
   return -ENOTTY;
  if (!real_tty->session)
   return -ENOTTY;
- return put_user(pid_nr(real_tty->session), p);
+ return put_user(pid_to_nr(real_tty->session), p);
 }

 /**
Index: lx26-22-rc6-mm1/fs/autofs/root.c
===================================================================
```

```
--- lx26-22-rc6-mm1.orig/fs/autofs/root.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/fs/autofs/root.c 2007-07-05 18:54:29.000000000 -0700
@@ -214,7 +214,7 @@ static struct dentry *autofs_root_lookup

  oz_mode = autofs_oz_mode(sbi);
  DPRINTK(("autofs_lookup: pid = %u, pgrp = %u, catatonic = %d, "
-    "oz_mode = %d\n", pid_nr(task_pid(current)),
+    "oz_mode = %d\n", pid_to_nr(task_pid(current)),
     process_group(current), sbi->catatonic,
     oz_mode));

Index: lx26-22-rc6-mm1/fs/fcntl.c
===================================================================
--- lx26-22-rc6-mm1.orig/fs/fcntl.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/fs/fcntl.c 2007-07-05 18:54:29.000000000 -0700
@@ -305,7 +305,7 @@ pid_t f_getown(struct file *filp)
 {
  pid_t pid;
  read_lock(&filp->f_owner.lock);
- pid = pid_nr(filp->f_owner.pid);
+ pid = pid_to_nr(filp->f_owner.pid);
  if (filp->f_owner.pid_type == PIDTYPE_PGID)
   pid = -pid;
  read_unlock(&filp->f_owner.lock);
Index: lx26-22-rc6-mm1/fs/proc/array.c
===================================================================
--- lx26-22-rc6-mm1.orig/fs/proc/array.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/fs/proc/array.c 2007-07-05 18:54:29.000000000 -0700
@@ -398,7 +398,7 @@ static int do_task_stat(struct task_stru
   struct signal_struct *sig = task->signal;

   if (sig->tty) {
-   tty_pgrp = pid_nr(sig->tty->pgrp);
+   tty_pgrp = pid_to_nr(sig->tty->pgrp);
    tty_nr = new_encode_dev(tty_devnum(sig->tty));
   }

Index: lx26-22-rc6-mm1/fs/smbfs/proc.c
===================================================================
--- lx26-22-rc6-mm1.orig/fs/smbfs/proc.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/fs/smbfs/proc.c 2007-07-05 18:54:29.000000000 -0700
@@ -972,7 +972,7 @@ smb_newconn(struct smb_sb_info *server,

  VERBOSE("protocol=%d, max_xmit=%d, pid=%d capabilities=0x%x\n",
   server->opt.protocol, server->opt.max_xmit,
-  pid_nr(server->conn_pid), server->opt.capabilities);
+  pid_to_nr(server->conn_pid), server->opt.capabilities);
```

```
  /* FIXME: this really should be done by smbmount. */
  if (server->opt.max_xmit > SMB_MAX_PACKET_SIZE) {
Index: lx26-22-rc6-mm1/ipc/mqueue.c
===================================================================
--- lx26-22-rc6-mm1.orig/ipc/mqueue.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/ipc/mqueue.c 2007-07-05 18:54:29.000000000 -0700
@@ -336,7 +336,7 @@ static ssize_t mqueue_read_file(struct f
     (info->notify_owner &&
      info->notify.sigev_notify == SIGEV_SIGNAL) ?
      info->notify.sigev_signo : 0,
-    pid_nr(info->notify_owner));
+    pid_to_nr(info->notify_owner));
   spin_unlock(&info->lock);
   buffer[sizeof(buffer)-1] = '\0';
   slen = strlen(buffer)+1;
Index: lx26-22-rc6-mm1/kernel/fork.c
===================================================================
--- lx26-22-rc6-mm1.orig/kernel/fork.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/kernel/fork.c 2007-07-05 18:54:29.000000000 -0700
@@ -1032,7 +1032,7 @@ static struct task_struct *copy_process(
   p->did_exec = 0;
   delayacct_tsk_init(p); /* Must remain after dup_task_struct() */
   copy_flags(clone_flags, p);
- p->pid = pid_nr(pid);
+ p->pid = pid_to_nr(pid);
   INIT_LIST_HEAD(&p->children);
   INIT_LIST_HEAD(&p->sibling);
   p->vfork_done = NULL;
Index: lx26-22-rc6-mm1/kernel/sysctl.c
===================================================================
--- lx26-22-rc6-mm1.orig/kernel/sysctl.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/kernel/sysctl.c 2007-07-05 18:54:29.000000000 -0700
@@ -2313,7 +2313,7 @@ static int proc_do_cad_pid(ctl_table *ta
   pid_t tmp;
   int r;

- tmp = pid_nr(cad_pid);
+ tmp = pid_to_nr(cad_pid);

   r = __do_proc_dointvec(&tmp, table, write, filp, buffer,
           lenp, ppos, NULL, NULL);
Index: lx26-22-rc6-mm1/kernel/container.c
===================================================================
--- lx26-22-rc6-mm1.orig/kernel/container.c 2007-07-05 18:53:43.000000000 -0700
+++ lx26-22-rc6-mm1/kernel/container.c 2007-07-05 18:54:29.000000000 -0700
@@ -1600,7 +1600,7 @@ static int pid_array_load(pid_t *pidarra
   while ((tsk = container_iter_next(cont, &it))) {
    if (unlikely(n == npids))
```

```
    break;
-  pidarray[n++] = pid_nr(task_pid(tsk));
+   pidarray[n++] = pid_to_nr(task_pid(tsk));
   }
   container_iter_end(cont, &it);
   return n;
```

_____

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