
Subject: [RFC][PATCH 08/14] Remove unused nr field from struct pid
Posted by [Sukadev Bhattiprolu](#) on Wed, 21 Mar 2007 03:20:47 GMT
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [RFC][PATCH 08/14] Remove unused nr field from struct pid

A process can have several pid_t values and these values are represented by the pid->pid_nrs list. We no longer need the 'nr' field in struct pid.

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

include/linux/init_task.h | 1 -
include/linux/pid.h | 1 -
kernel/pid.c | 1 -
3 files changed, 3 deletions(-)

Index: 2.6.21-rc3-mm2/include/linux/pid.h

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--- 2.6.21-rc3-mm2.orig/include/linux/pid.h
+++ 2.6.21-rc3-mm2/include/linux/pid.h
@@ -62,7 +62,6 @@ struct pid_nr
struct pid
{
 atomic_t count;
- int nr;
 /* lists of tasks that use this pid */
 struct hlist_head tasks[PIDTYPE_MAX];
 struct rcu_head rcu;

Index: 2.6.21-rc3-mm2/include/linux/init_task.h

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--- 2.6.21-rc3-mm2.orig/include/linux/init_task.h
+++ 2.6.21-rc3-mm2/include/linux/init_task.h
@@ -107,7 +107,6 @@ extern struct group_info init_groups;

#define INIT_STRUCT_PID { \\\n .count = ATOMIC_INIT(1), \\\n- .nr = 0, \\\n .tasks = { \\\n { .first = &init_task.pids[PIDTYPE_PID].node }, \\\n { .first = &init_task.pids[PIDTYPE_PGID].node }, \\\n

Index: 2.6.21-rc3-mm2/kernel/pid.c

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--- 2.6.21-rc3-mm2.orig/kernel/pid.c
+++ 2.6.21-rc3-mm2/kernel/pid.c
@@ -291,7 +291,6 @@ struct pid *alloc_pid(void)
 if (!pid_nr)

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goto out_free_pid;

- pid->nr = pid_nr->nr; /* pid->nr to be removed soon */
  hlist_add_head(&pid_nr->node, &pid->pid_nrs);

return pid;

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```

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