
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

=====

--- 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

=====

--- 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 { \

.count = ATOMIC_INIT(1), \

- .nr = 0, \

.tasks = { \

{ .first = &init_task.pids[PIDTYPE_PID].node }, \

{ .first = &init_task.pids[PIDTYPE_PGID].node }, \

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

=====

--- 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)

```
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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