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Subject: [PATCH 20/20] Remove the struct pid unneeded fields  
Posted by [Pavel Emelianov](#) on Fri, 10 Aug 2007 11:48:30 GMT  
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Since we've switched from using pid->nr to pid->upids->nr some fields on struct pid are no longer needed

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```
include/linux/init_task.h | 3 ---
include/linux/pid.h       | 3 ---
kernel/pid.c              | 1 -
3 files changed, 7 deletions(-)
```

```
--- ./include/linux/init_task.h.ve17 2007-08-06 14:14:02.000000000 +0400
+++ ./include/linux/init_task.h 2007-08-06 14:14:02.000000000 +0400
@@ -93,9 +93,6 @@ extern struct group_info init_groups;
```

```
#define INIT_STRUCT_PID { \
    .count = ATOMIC_INIT(1), \
    - .nr = 0, \
    - /* Don't put this struct pid in pid_hash */ \
    - .pid_chain = { .next = NULL, .pprev = NULL }, \
    .tasks = { \
        { .first = &init_task.pids[PIDTYPE_PID].node }, \
        { .first = &init_task.pids[PIDTYPE_PGID].node }, \
--- ./include/linux/pid.h.ve17 2007-08-06 14:14:02.000000000 +0400
+++ ./include/linux/pid.h 2007-08-06 14:14:02.000000000 +0400
```

```
@@ -57,9 +57,6 @@ struct upid {
struct pid
{
    atomic_t count;
    - /* Try to keep pid_chain in the same cacheline as nr for find_pid */
    - int nr;
    - struct hlist_node pid_chain;
    /* lists of tasks that use this pid */
    struct hlist_head tasks[PIDTYPE_MAX];
    struct rcu_head rcu;
--- ./kernel/pid.c.ve17 2007-08-06 14:14:02.000000000 +0400
+++ ./kernel/pid.c 2007-08-06 14:14:18.000000000 +0400
@@ -259,7 +259,6 @@ struct pid *alloc_pid(struct pid_namespace
```

```
get_pid_ns(ns);
pid->level = ns->level;
- pid->nr = pid->numbers[0].nr;
```

```
atomic_set(&pid->count, 1);  
for (type = 0; type < PIDTYPE_MAX; ++type)  
    INIT_HLIST_HEAD(&pid->tasks[type]);
```

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