
Subject: [RFC][PATCH 07/14] Remove unused pid_chain from struct pid
Posted by [Sukadev Bhattiprolu](#) on Wed, 21 Mar 2007 03:20:24 GMT
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [RFC][PATCH 07/14] Remove unused pid_chain from struct pid

Now that we use struct pid_nr entries in the pid_hash table, we no longer need pid_chain field in struct pid.

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

```
include/linux/init_task.h | 2 --
include/linux/pid.h       | 2 --
2 files changed, 4 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
@@ -62,9 +62,7 @@ struct pid_nr
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;
```

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
@@ -108,8 +108,6 @@ 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 }, \
```

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