
Subject: [RFC][PATCH 4/6] Initialize struct pid_nr for swapper
Posted by [Sukadev Bhattiprolu](#) on Sat, 10 Mar 2007 03:59:24 GMT
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [RFC][PATCH 4/6] Initialize struct pid_nr for swapper.

Statically initialize a struct pid_nr for the swapper process.

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include/linux/init_task.h | 7 +++++++
kernel/pid.c | 1 +
2 files changed, 8 insertions(+)

Index: lx26-20-mm2b/include/linux/init_task.h

```
=====
--- lx26-20-mm2b.orig/include/linux/init_task.h 2007-03-08 17:56:05.000000000 -0800
+++ lx26-20-mm2b/include/linux/init_task.h 2007-03-09 14:56:11.000000000 -0800
@@ -96,6 +96,12 @@ extern struct group_info init_groups;
#define INIT_PREEMPT_RCU
#endif

+#define INIT_STRUCT_PID_NR { \
+ .node = { .next = NULL, .pprev = NULL }, \
+ .nr = 0, \
+ .pid_ns = &init_pid_ns, \
+}
+
#define INIT_STRUCT_PID { \
. count = ATOMIC_INIT(1), \
. nr = 0, \
@@ -106,6 +112,7 @@ extern struct group_info init_groups;
{ .first = &init_task.pids[PIDTYPE_PGID].node }, \
{ .first = &init_task.pids[PIDTYPE_SID].node }, \
}, \
+ .pid_nrs = { .first = &init_struct_pid_nr.node }, \
. rcu = RCU_HEAD_INIT, \
}
```

Index: lx26-20-mm2b/kernel/pid.c

```
=====
--- lx26-20-mm2b.orig/kernel/pid.c 2007-03-08 17:56:57.000000000 -0800
+++ lx26-20-mm2b/kernel/pid.c 2007-03-09 14:56:33.000000000 -0800
```

```
@@ -34,6 +34,7 @@ static struct hlist_head *pid_hash;
static int pidhash_shift;
static struct kmem_cache *pid_cache;
static struct kmem_cache *pid_nr_cache;
+struct pid_nr init_struct_pid_nr = INIT_STRUCT_PID_NR;
struct pid init_struct_pid = INIT_STRUCT_PID;

int pid_max = PID_MAX_DEFAULT;
```

Containers mailing list

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<https://lists.osdl.org/mailman/listinfo/containers>
