Subject: + remove-the-likelypid-check-in-copy_process.patch added to -mm tree
Posted by akpm on Thu, 15 Mar 2007 19:54:42 GMT
View Forum Message <> Reply to Message

The patch titled
    Remove the likely(pid) check in copy_process
has been added to the -mm tree. Its filename is
    remove-the-likelypid-check-in-copy_process.patch

*** Remember to use Documentation/SubmitChecklist when testing your code ***

See http://www.zip.com.au/~akpm/linux/patches/stuff/added-to-mm.txt to find
out what to do about this

Subject: Remove the likely(pid) check in copy_process
From: Sukadev Bhattiprolu <sukadev@us.ibm.com>

Now that we pass in a struct pid parameter to copy_process() and even the
swapper (pid_t == 0) has a valid struct pid, we no longer need this check.

Changelog:
 Per Eric Biederman's comments, moved this out to a separate
 patch for easier review.

Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Cc: Cedric Le Goater <clg@fr.ibm.com>
Cc: Dave Hansen <haveblue@us.ibm.com>
Cc: Serge Hallyn <serue@us.ibm.com>
Cc: <containers@lists.osdl.org>
Acked-by: Eric W. Biederman <ebiederm@xmission.com>

Signed-off-by: Andrew Morton <akpm@linux-foundation.org>
---

 kernel/fork.c | 34 ++++++++++++++++++----------------
 1 file changed, 16 insertions(+), 18 deletions(-)

diff -puN kernel/fork.c~remove-the-likelypid-check-in-copy_process kernel/fork.c
--- a/kernel/fork.c~remove-the-likelypid-check-in-copy_process
+++ a/kernel/fork.c
@@ -1237,26 +1237,24 @@ static struct task_struct *copy_process(
   }
  }

- if (likely(p->pid)) {
- add_parent(p);
- tracehook_init_task(p);

```
-
-  if (thread_group_leader(p)) {
-   pid_t pgid = process_group(current);
-   pid_t sid = process_session(current);
-
-   p->signal->tty = current->signal->tty;
-   p->signal->pgrp = pgid;
-   set_signal_session(p->signal, process_session(current));
-   attach_pid(p, PIDTYPE_PGID, find_pid(pgid));
-   attach_pid(p, PIDTYPE_SID, find_pid(sid));
+ add_parent(p);
+ tracehook_init_task(p);

-   list_add_tail_rcu(&p->tasks, &init_task.tasks);
-   __get_cpu_var(process_counts)++;
-  }
-  attach_pid(p, PIDTYPE_PID, pid);
-  nr_threads++;
+ if (thread_group_leader(p)) {
+  pid_t pgid = process_group(current);
+  pid_t sid = process_session(current);
+
+  p->signal->tty = current->signal->tty;
+  p->signal->pgrp = pgid;
+  set_signal_session(p->signal, process_session(current));
+  attach_pid(p, PIDTYPE_PGID, find_pid(pgid));
+  attach_pid(p, PIDTYPE_SID, find_pid(sid));
+
+  list_add_tail_rcu(&p->tasks, &init_task.tasks);
+  __get_cpu_var(process_counts)++;
   }
+ attach_pid(p, PIDTYPE_PID, pid);
+ nr_threads++;

  total_forks++;
  spin_unlock(&current->sighand->siglock);
_
```

Patches currently in -mm which might be from sukadev@us.ibm.com are

attach_pid-with-struct-pid-parameter.patch
statically-initialize-struct-pid-for-swapper.patch
explicitly-set-pgid-and-sid-of-init-process.patch
use-struct-pid-parameter-in-copy_process.patch
remove-the-likelypid-check-in-copy_process.patch
use-task_pgrp-task_session-in-copy_process.patch
kill-unused-sesssion-and-group-values-in-rocket-driver.patch
fix-some-coding-style-errors-in-autofs.patch

replace-pid_t-in-autofs-with-struct-pid-reference.patch

_____

Containers mailing list
Containers@lists.osdl.org
https://lists.osdl.org/mailman/listinfo/containers