
Subject: [PATCH 2/2] signals: replace p->pid == 1 check with a check for task_child_reaper

Posted by [Daniel Hokka Zakrisso](#) on Thu, 17 Jul 2008 14:56:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

p->pid == 1 is insufficient when there are multiple pid namespaces.
Instead, check whether the task is in the current task's
child reaper's thread group.

Signed-off-by: Daniel Hokka Zakrisson <daniel@hozac.com>

```
diff --git a/kernel/signal.c b/kernel/signal.c
```

```
index 93713a5..be932b9 100644
```

```
--- a/kernel/signal.c
```

```
+++ b/kernel/signal.c
```

```
@@ -1142,10 +1142,20 @@ static int kill_something_info(int sig, struct  
siginfo *info, int pid)
```

```
    pid ? find_vpid(-pid) : task_pgrp(current));  
    } else {
```

```
        int retval = 0, count = 0;
```

```
- struct task_struct * p;
```

```
+ struct task_struct *p, *reaper = task_child_reaper(current);
```

```
+
```

```
+ /*
```

```
+  * The reaper has died, so there's probably a
```

```
+  * SIGKILL pending. Return.
```

```
+ */
```

```
+ if (unlikely(!reaper)) {
```

```
+     ret = -ESRCH;
```

```
+     goto out;
```

```
+ }
```

```
    for_each_process(p) {
```

```
-     if (p->pid > 1 && !same_thread_group(p, current) &&
```

```
+     if (!same_thread_group(p, reaper) &&
```

```
+     !same_thread_group(p, current) &&
```

```
        task_in_pid_ns(p, current->nsproxy->pid_ns)) {
```

```
        int err = group_send_sig_info(sig, info, p);
```

```
        ++count;
```

```
@@ -1155,6 +1165,7 @@ static int kill_something_info(int sig, struct  
siginfo *info, int pid)
```

```
    }
```

```
    ret = count ? retval : -ESRCH;
```

```
    }
```

```
+out:
```

```
    read_unlock(&tasklist_lock);
```

```
    return ret;
```

--

1.5.5.1

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
