
Subject: [PATCH 2/2] Explicitly set pgid and sid of init
Posted by [Sukadev Bhattiprolu](#) on Thu, 22 Feb 2007 23:24:42 GMT
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From: Sukadev Bhattiprolu <sukadev@us.ibm.com>
Subject: [PATCH 2/2] Explicitly set pgid and sid of init

Explicitly set pgid and sid of init process to 1.

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: Eric Biederman <ebiederm@xmission.com>
Cc: containers@lists.osdl.org

```
init/main.c | 1 +
kernel/exit.c | 4 +++
2 files changed, 3 insertions(+), 2 deletions(-)
```

Index: lx26-20-mm2/init/main.c

```
=====
--- lx26-20-mm2.orig/init/main.c 2007-02-21 14:31:26.000000000 -0800
+++ lx26-20-mm2/init/main.c 2007-02-21 15:34:06.000000000 -0800
@@ -791,6 +791,7 @@ static int __init init(void * unused)
 */
init_pid_ns.child_reaper = current;
```

```
+ __set_special_pids(1, 1);
cad_pid = task_pid(current);
```

```
smp_prepare_cpus(max_cpus);
Index: lx26-20-mm2/kernel/exit.c
```

```
=====
--- lx26-20-mm2.orig/kernel/exit.c 2007-02-21 15:33:57.000000000 -0800
+++ lx26-20-mm2/kernel/exit.c 2007-02-21 15:34:06.000000000 -0800
@@ -296,12 +296,12 @@ void __set_special_pids(pid_t session, p
{
    struct task_struct *curr = current->group_leader;

- if (process_session(curr) != session) {
+ if (pid_nr(task_session(curr)) != session) {
    detach_pid(curr, PIDTYPE_SID);
    set_signal_session(curr->signal, session);
    attach_pid(curr, PIDTYPE_SID, find_pid(session));
}

- if (process_group(curr) != pgrp) {
+ if (pid_nr(task_pgrp(curr)) != pgrp) {
```

```
detach_pid(curr, PIDTYPE_PGID);
curr->signal->pgrp = pgrp;
attach_pid(curr, PIDTYPE_PGID, find_pid(pgrp));
```

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

Subject: Re: [PATCH 2/2] Explicitly set pgid and sid of init
Posted by [Dave Hansen](#) on Thu, 22 Feb 2007 23:38:07 GMT
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On Thu, 2007-02-22 at 15:24 -0800, sukadev@us.ibm.com wrote:

```
> -   if (process_group(curr) != pgrp) {
> +   if (pid_nr(task_pgrp(curr)) != pgrp) {
```

I wonder if there are enough of these cases to start doing:

```
#define task_pgrp_nr(tsk) pid_nr(task_pgrp(tsk))
#define task_tgid_nr(tsk) pid_nr(task_tgid(tsk))
```

etc...

-- Dave

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Subject: Re: [PATCH 2/2] Explicitly set pgid and sid of init
Posted by [ebiederm](#) on Fri, 23 Feb 2007 06:17:45 GMT
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Dave Hansen <hansendc@us.ibm.com> writes:

> On Thu, 2007-02-22 at 15:24 -0800, sukadev@us.ibm.com wrote:

```
>> -   if (process_group(curr) != pgrp) {
>> +   if (pid_nr(task_pgrp(curr)) != pgrp) {
>
```

> I wonder if there are enough of these cases to start doing:

```
>
> #define task_pgrp_nr(tsk) pid_nr(task_pgrp(tsk))
> #define task_tgid_nr(tsk) pid_nr(task_tgid(tsk))
```

There shouldn't be. We should really fix the arguments of `__set_special_pids` to be `struct_pid *`. At which point this ugliness goes away.

Eric

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