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Subject: [RFC][PATCH] Add pspace to task\_struct  
Posted by [Sukadev Bhattiprolu](#) on Thu, 07 Sep 2006 00:46:57 GMT  
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Add a notion of pid space to task\_struct. Currently there is only one pid space, init\_pspace and all tasks belong to this pspace. When a new task is created, it inherits its parent's pid space (in copy\_process()).

This is based on Eric Biederman's patch: <http://lkml.org/lkml/2006/2/6/285>

Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>  
Cc: Eric Biederman <ebiederm@xmission.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

```
include/linux/init_task.h | 2 ++
include/linux/sched.h     | 1 +
2 files changed, 3 insertions(+)
```

Index: lx26-18-rc5/include/linux/init\_task.h

```
=====
--- lx26-18-rc5.orig/include/linux/init_task.h 2006-08-29 14:03:07.000000000 -0700
+++ lx26-18-rc5/include/linux/init_task.h 2006-09-06 12:36:55.000000000 -0700
@@ -5,6 +5,7 @@
#include <linux/rcupdate.h>
#include <linux/irqflags.h>
#include <linux/lockdep.h>
+#include <linux/pspace.h>

#define INIT_FDTABLE \
{ \
@@ -115,6 +116,7 @@ extern struct group_info init_groups;
.thread = INIT_THREAD, \
.fs = &init_fs, \
.files = &init_files, \
+ .pspace = &init_pspace, \
.signal = &init_signals, \
.sighand = &init_sighand, \
.pending = { \
Index: lx26-18-rc5/include/linux/sched.h
```

```
=====
--- lx26-18-rc5.orig/include/linux/sched.h 2006-08-31 12:46:42.000000000 -0700
+++ lx26-18-rc5/include/linux/sched.h 2006-09-06 12:33:59.000000000 -0700
@@ -816,6 +816,7 @@ struct task_struct {
/* ??? */
unsigned long personality;
```

```
unsigned did_exec:1;
+ struct pspace *pspace; /* process id namespace */
  pid_t pid;
  pid_t tgid;
  /*
```

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

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Subject: Re: [RFC][PATCH] Add pspace to task\_struct  
Posted by [ebiederm](#) on Thu, 07 Sep 2006 19:29:53 GMT  
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Sukadev Bhattiprolu <[sukadev@us.ibm.com](mailto:sukadev@us.ibm.com)> writes:

> Add a notion of pid space to task\_struct. Currently there is only one  
> pid space, init\_pspace and all tasks belong to this pspace. When a new  
> task is created, it inherits its parent's pid space (in copy\_process()).

That needs to go into nsproxy please.

Eric

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