
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>

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```
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;
  /*
```

Containers mailing list
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