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Subject: [RFC][PATCH 0/6] Allow unsharing pid namespace  
Posted by [Sukadev Bhattiprolu](#) on Sat, 10 Mar 2007 03:56:55 GMT  
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From: Sukadev Bhattiprolu <[sukadev@us.ibm.com](mailto:sukadev@us.ibm.com)>  
Subject: [RFC][PATCH 0/6] Allow unsharing pid namespace.

This patchset defines a struct pid\_nr and uses this to allow processes to unshare their pid namespace.

struct pid\_nr will hold [pid value, namespace] pair for each struct pid\* in use. The pid value used will be different for each namespace the struct pid\* is in use.

A list of pid\_nrs will be added to struct pid and used by the kernel when using pid values(through pid\_nr()).

[PATCH 1/6]:

Add struct pid\_nr and associated helper functions.

[PATCH 2/6]:

Reimplement the pid\_nr() function using struct pid\_nr.

i.e pid\_nr() should return the pid\_t of a process depending on the pid namespace of the caller.

[PATCH 3/6]:

Attach a list of struct pid\_nrs to the struct pid.

[PATCH 4/6]:

Statically allocate/initialize a struct pid\_nr for swapper process.

[PATCH 5/6]:

Define helper functions used to unshare pid namespace.

[PATCH 6/6]:

Implement unsharing of pid namespace.

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