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>
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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