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Subject: [RFC][PATCH 0/14] Enabling cloning of pid namespace  
Posted by [Sukadev Bhattiprolu](#) on Wed, 21 Mar 2007 03:10:02 GMT  
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This patchset basically enables cloning of pid namespace.

We have done some unit testing on x86 and x86\_64, with these but at this point we are mostly looking for feedback on the overall design/direction.

Compared to the previous patchset, as per feedback from Containers list, we have dropped support for unsharing of pid namespace (which significantly simplifies the design) and use struct pid\_nr in the pid\_hash table.

The patchset includes following patches:

- [RFC][PATCH 01/14] Define/use task\_pid\_ns() wrapper
- [RFC][PATCH 02/14] Move alloc\_pid call to copy\_process
- [RFC][PATCH 03/14] use pid\_nr in procfs

These three are some helper patches

- [RFC][PATCH 04/14] Add struct pid\_nr and pid\_nrs list
- [RFC][PATCH 05/14] Initialize struct pid\_nr for swapper.
- [RFC][PATCH 06/14] Populate pid\_nrs list with entry for init-pid-ns

These three patches define and use pid->pid\_nrs list which represents the multiple pid\_t values that a process can have (one in each pid namespace) (this pid->pid\_nrs list is sometimes referred to as just the pid\_nrs list)

- [RFC][PATCH 07/14] Remove unused pid\_chain from struct pid
- [RFC][PATCH 08/14] Remove unused nr field from struct pid

Some patches to cleanup unused code.

- [RFC][PATCH 09/14] Save leaders struct pid before detach\_pid()
- [RFC][PATCH 10/14] Use pid ns from pid\_nrs list
- [RFC][PATCH 11/14] Remove pid ns field from nsproxy

These three patches replace task->nsproxy->pid\_ns and use the pid namespace from pid\_nrs list.

- [RFC][PATCH 12/14] Remove copy\_pid\_ns function

Another cleanup patch.

[RFC][PATCH 13/14] Define CLONE\_NEWPID flag  
[RFC][PATCH 14/14] Enable cloning pid namespace

These two patches enable the cloning of pid namespace.

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Containers mailing list

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