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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