Subject: Re: [PATCH 6/9] pid: Implement pid_in_pid_ns.
Posted by Pavel Emelianov on Wed, 12 Dec 2007 13:33:29 GMT
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Eric W. Biederman wrote:
> Implement a simple check to see if a specified pid resides
> in a specified pid namespace. Generally we are smart enough
> just to operate on single pid namespace and avoid this test.
> However in the case of sending a signal to init we must check
> to see if our sender is a child of init and so this test is needed.
>
> Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>
> ---
> include/linux/pid.h | 3 +++
> kernel/pid.c | 6 ++++++
> 2 files changed, 9 insertions(+), 0 deletions(-)
>
> diff --git a/include/linux/pid.h b/include/linux/pid.h
> index c4b56c0..e409cc5 100644
> --- a/include/linux/pid.h
> +++ b/include/linux/pid.h
> @@ -156,6 +156,9 @@ static inline pid_t pid_nr(struct pid *pid)
> pid_t pid_nr_ns(struct pid *pid, struct pid_namespace *ns);
> pid_t pid_vnr(struct pid *pid);
>
> +/* Test to see if pid is present in pid namespace ns */
> +extern int pid_in_pid_ns(struct pid *pid, struct pid_namespace *ns);
> +
> #define do_each_pid_task(pid, type, task)   \
>   do {   \
>   struct hlist_node *pos___;   \
> diff --git a/kernel/pid.c b/kernel/pid.c
> index a7ecfce..873c00f 100644
> --- a/kernel/pid.c
> +++ b/kernel/pid.c
> @@ -429,6 +429,12 @@ struct pid *find_get_pid(pid_t nr)
>   return pid;
> }
>
> +int pid_in_pid_ns(struct pid *pid, struct pid_namespace *ns)

Can we give it a better name? Like pid_in_ns() if we do want it
to be as short as possible, or pid_visible_in_ns() if we want
it ti reflect its nature.

> +{
> + return pid && ns && (ns->level <= pid->level) &&
> + pid->numbers[ns->level].ns == ns;

> +}
> +
> pid_t pid_nr_ns(struct pid *pid, struct pid_namespace *ns)
> {
>   struct upid *upid;

Thanks,
Pavel

_____
Containers mailing list
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