
Subject: Re: [PATCH 5/13] Expand the pid/task seeking functions set
Posted by [Sukadev Bhattiprolu](#) on Fri, 25 May 2007 23:36:58 GMT

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Pavel Emelianov [xemul@openvz.org] wrote:

| Dave Hansen wrote:

| > On Thu, 2007-05-24 at 16:50 +0400, Pavel Emelianov wrote:

| >> +struct pid * fastcall __find_vpid(int nr, struct pid_namespace *ns)

| >> +{

| >> + #ifdef CONFIG_PID_NS

| >> + struct hlist_node *elem;

| >> + struct pid *pid;

| >> + #endif

| >> +

| >> + if (ns == &init_pid_ns)

| >> + return find_pid(nr);

| >> +

| >> + #ifdef CONFIG_PID_NS

| >> + hlist_for_each_entry_rcu(pid, elem,

| >> + &vpid_hash[vpid_hashfn(nr, ns)], vpid_chain) {

| >> + if (pid->vnr == nr && pid->ns == ns)

| >> + return pid;

| >> + }

| >> + #endif

| >> + return NULL;

| >> + }

| >

| > I am a bit worried that there are too many #ifdefs here. Your patch
| > series adds ~20 of them, and they look to me to be mostly in .c files.

| > Section 2 in SubmittingPatches somewhat discourages this.

| >

| > Do you have any plans for cleaning these up?

| Sure I have. But this approach makes review simpler - everyone
| explicitly see what exact actions are taken in each place. In
| the second iteration this will be make in a more elegant way
| like making static inline stubs etc.

| This set is a kind of RFC and proof-of-concept. I didn't intent
| this to be merged to any tree as is. That's why a attached the
| lats patch with strut in proc to observe the whole tree.

| BTW, question to Sukadev - how did you test your patches? I do
| know that ps utility doesn't work without full /proc tree and
| I don's see similar hacks in your patchset.

Patches (#13 and #14) in my patchset allow remounting /proc in
a child namespace. So the script (lxc-wrap.sh Patch-0) remounts

/proc when it enters the new namespace. "ps -e" in the namespace only shows processes from that namespace.

"ps -e" in init pid ns shows processes in child namespaces with numeric pids (pid_t) from init pid ns.

```
|  
| > -- Dave  
| >  
| >
```

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Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
