Subject: Re: pid namespace .text overhead
Posted by Sukadev Bhattiprolu on Tue, 11 Sep 2007 02:04:06 GMT
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Cedric Le Goater [clg@fr.ibm.com] wrote:
| FYI,
|
| I just did a compile test on a 2.6.23-rc4-mm1 kernel with and without
| the following patches on a x86_64 defconfig (I also had to remove
| CONFIG_IPV6 for some compile reason) :

Thats a good point.

We have been a bit liberal with "inline" given that lot of the code was
going to affect the "fast-path" clone().

Should we shoot for a time/space trade-off or can we make some inlines
conditional (i.e inline when not configured for say embedded linux) ?

Suka

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Containers mailing list
Containers@lists.linux-foundation.org
https://lists.linux-foundation.org/mailman/listinfo/containers

Subject: Re: pid namespace .text overhead
Posted by Cedric Le Goater on Tue, 11 Sep 2007 07:13:38 GMT
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sukadev@us.ibm.com wrote:
> Cedric Le Goater [clg@fr.ibm.com] wrote:
> | FYI,
> |
> | I just did a compile test on a 2.6.23-rc4-mm1 kernel with and without
> | the following patches on a x86_64 defconfig (I also had to remove
> | CONFIG_IPV6 for some compile reason) :
>
> Thats a good point.
>
> We have been a bit liberal with "inline" given that lot of the code was
> going to affect the "fast-path" clone().

are are some figures :

with		without		
text	data	text	data	filename

1186	4	1099	4	kernel/capability.o
10390	0	9941	0	kernel/exit.o
10611	140	10434	140	kernel/fork.o
10765	72	10518	72	kernel/futex.o
957	56	939	56	kernel/nsproxy.o
3446	2292	2350	2228	kernel/pid.o
13930	45	13641	45	kernel/signal.o
10177	544	9819	544	kernel/sys.o
5083	56	4809	56	fs/proc/array.o
17097	184	16748	184	fs/proc/base.o
51471	1532	50474	1532	fs/proc/proc.o

> Should we shoot for a time/space trade-off or can we make some inlines
> conditional (i.e inline when not configured for say embedded linux) ?

I'm sure the embedded guys will appreciate :)

Thanks !

C.

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Subject: Re: pid namespace .text overhead
Posted by Dave Hansen on Tue, 11 Sep 2007 15:36:08 GMT
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On Mon, 2007-09-10 at 19:04 -0700, sukadev@us.ibm.com wrote:
>
> Thats a good point.
>
> We have been a bit liberal with "inline" given that lot of the code
> was
> going to affect the "fast-path" clone().
>
> Should we shoot for a time/space trade-off or can we make some inlines
> conditional (i.e inline when not configured for say embedded linux) ?

Can we make them switch somehow on -Os? That's what the embedded guys
use.

-- Dave

_____

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