
Subject: Re: Playing with namespaces and bloat-o-meeter

Posted by [serue](#) on Wed, 26 Sep 2007 13:30:19 GMT

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Quoting Cedric Le Goater (clg@fr.ibm.com):

> Cedric Le Goater wrote:

> > Serge E. Hallyn wrote:

> >> Quoting Pavel Emelyanov (xemul@openvz.org):

> >>> Hi, guys!

> >>

> >>> I've noticed that compiling out all the core related to

> >>> cloning and cleaning the new namespace saves us more than

> >>> a Kbyte (!) from the vmlinux.

> >>

> >>> add/remove: 19/0 grow/shrink: 6/6 up/down: 1532/-336 (1196)

	old	new	delta
> >>> function			
> >>> copy_user_ns	-	181	+181
> >>> copy_ipcs	-	149	+149
> >>> copy_utsname	-	120	+120
> >>> shm_exit_ns	-	106	+106
> >>> sem_exit_ns	-	106	+106
> >>> msg_exit_ns	-	106	+106
> >>> freeary	-	100	+100
> >>> release_uids	-	95	+95
> >>> freeque	-	92	+92
> >>> free_nsproxy	48	99	+51
> >>> __sem_init_ns	-	45	+45
> >>> shm_init_ns	-	42	+42
> >>> sem_init_ns	-	42	+42
> >>> msg_init_ns	-	42	+42
> >>> __shm_init_ns	-	38	+38
> >>> create_new_namespaces	300	335	+35
> >>> __msg_init_ns	-	31	+31
> >>> sysvipc_proc_release	5	35	+30
> >>> free_ipc_ns	-	30	+30
> >>> do_shm_rmid	-	29	+29
> >>> shm_release	18	39	+21
> >>> free_user_ns	-	16	+16
> >>> sysvipc_proc_open	100	111	+11
> >>> do_shmat	778	787	+9
> >>> free_uts_ns	-	5	+5
> >>> sys_shmctl	1934	1907	-27
> >>> msg_init	82	47	-35
> >>> shm_init	92	47	-45
> >>> sem_init	99	44	-55
> >>> sys_msgctl	1394	1311	-83
> >>> sys_semctl	2123	2032	-91

> >>

```
> >>> Since there already were some questions like "do I need it  
> >>> on my cellphone?" in reply to pid namespaces patches and  
> >>> so on, why don't we make ALL the namespaces cloning code  
> >>> under the config option to make those people happy?  
> >>>  
> >>> Here's the proposed patch.  
> >> How about a single config variable for all namespaces?  
> >  
> > yes good idea.  
>  
>  
> oops, that done already in the patch : CONFIG_NAMESPACES  
>  
> thanks :)
```

That at least organizes them all in Kconfig. I meant one config variable, period.

Then instead of adding CONFIG_USER_NS and such while they are experimental, put all experimental namespaces (i.e. maybe soon user and network) under CONFIG_NAMESPACES_EXPERIMENTAL.

-serge

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