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Subject: Re: [PATCH 2.6.25] netns: struct net content re-work

Posted by [dev](#) on Mon, 10 Dec 2007 17:47:39 GMT

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Daniel Lezcano wrote:

> Denis V. Lunev wrote:

>

>>Recently David Miller and Herbert Xu pointed out that struct net becomes  
>>overbloated and un-maintainable. There are two solutions:

>>- provide a pointer to a network subsystem definition from struct net.

>> This costs an additional dereference

>>- place sub-system definition into the structure itself. This will speedup

>> run-time access at the cost of recompilation time

>>

>>The second approach looks better for us.

>

>

> Yes, we do not need/want a pointer in this structure and add more

> dereference in the network code.

>

>

>>Other sub-systems will be converted

>>to this approach if this will be accepted :)

>>

>>Signed-off-by: Denis V. Lunev <[den@openvz.org](mailto:den@openvz.org)>

>>---

>>diff --git a/include/net/net\_namespace.h b/include/net/net\_namespace.h

>>index b62e31f..f60e1ce 100644

>>--- a/include/net/net\_namespace.h

>>+++ b/include/net/net\_namespace.h

>>@@ -8,6 +8,8 @@

>> #include <linux/workqueue.h>

>> #include <linux/list.h>

>>

>>+#include <net/netns/unix.h>

>>+

>> struct proc\_dir\_entry;

>> struct net\_device;

>> struct sock;

>>@@ -46,8 +48,7 @@ struct net {

>> struct hlist\_head packet\_sklist;

>>

>> /\* unix sockets \*/

>>- int sysctl\_unix\_max\_dgram\_qlen;

>>- struct ctl\_table\_header \*unix\_ctl;

>>+ struct netns\_unix unx;

>

>

> Can you change this from unx to unix ?

no, it won't compile. Guess why :)

> If you encapsulate the structure definitions per subsystem, you can drop  
> the unix prefix in the variable declaration.

>

> Instead of having:

> netns->unix->unix\_ctl

> you will have:

> netns->unix->ctl

agree.

Kirill

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Containers mailing list

Containers@lists.linux-foundation.org

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

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