

---

Subject: Re: [PATCH][NETNS] Move some code into \_\_init section when CONFIG\_NET\_NS=n (v2)

Posted by [davem](#) on Tue, 09 Oct 2007 03:38:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

From: Pavel Emelyanov <xemul@openvz.org>

Date: Mon, 08 Oct 2007 17:20:01 +0400

> With the net namespaces many code leaved the \_\_init section,  
> thus making the kernel occupy more memory than it did before.  
> Since we have a config option that prohibits the namespace  
> creation, the functions that initialize/finalize some netns  
> stuff are simply not needed and can be freed after the boot.  
>  
> Currently, this is almost not noticeable, since few calls  
> are no longer in \_\_init, but when the namespaces will be  
> merged it will be possible to free more code. I propose to  
> use the \_\_net\_init, \_\_net\_exit and \_\_net\_initdata "attributes"  
> for functions/variables that are not used if the CONFIG\_NET\_NS  
> is not set to save more space in memory.  
>  
> The exiting functions cannot just reside in the \_\_exit section,  
> as noticed by David, since the init section will have  
> references on it and the compilation will fail due to modpost  
> checks. These references can exist, since the init namespace  
> never dies and the exit callbacks are never called. So I  
> introduce the \_\_exit\_refok attribute just like it is already  
> done with the \_\_init\_refok.  
>  
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied, thanks for fixing this up Pavel.

---