
Subject: Re: [PATCH 2/2] move unneeded data to initdata section
Posted by [Sam Ravnborg](#) on Thu, 15 Nov 2007 15:14:29 GMT
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On Thu, Nov 15, 2007 at 05:42:04PM +0300, Denis V. Lunev wrote:

> Eric W. Biederman wrote:

> > "Denis V. Lunev" <den@openvz.org> writes:

> >

> >> This patch reverts Eric's commit 2b008b0a8e96b726c603c5e1a5a7a509b5f61e35

> >>

> >> It diets .text & .data section of the kernel if CONFIG_NET_NS is not set.

> >> This is safe after list operations cleanup.

> >

> > Ok. This patch is technically safe because none of the touched

> > code can live in a module and so we never touch the exit code path.

> >

> > However in the general case and as a code idiom this __net_initdata

> > on struct pernet_operations is fundamentally horribly broken.

> >

> > Look at what happens if we use this idiom in module. There

> > is only one definition of __initdata ".init.data". The module

> > loader places all sections that begin with .init in a region of

> > memory that will be discarded after module initialization.

>

> nothing is discarded after module load. Though, I can be wrong. Could

> you point me to the exact place?

If __initdata is not discarded after module load then we should do it.

There is no reason to waste __initdata RAM when the module is loaded.

Sam

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