
Subject: Re: [PATCH 2/2] move unneeded data to initdata section

Posted by [den](#) on Thu, 15 Nov 2007 19:17:14 GMT

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Sam Ravnborg wrote:

> On Thu, Nov 15, 2007 at 11:19:26AM -0700, Eric W. Biederman wrote:

>> Sam Ravnborg <sam@ravnborg.org> writes:

>>

>>> On Thu, Nov 15, 2007 at 05:42:04PM +0300, Denis V. Lunev wrote:

>>>> 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.

>> Down at the bottom of sys_init_module we have:

>>

>> /* Drop initial reference. */

>> module_put(mod);

>> unwind_remove_table(mod->unwind_info, 1);

>>

>> module_free(mod, mod->module_init);

>> ~~~~~

>> mod->module_init = NULL;

>> mod->init_size = 0;

>> mod->init_text_size = 0;

>> mutex_unlock(&module_mutex);

>>

>> return 0;

>>

>> Which frees the memory for the .init sections.

>

> Thanks for clarifying this Eric - should have looked myself..

clear :) I was wrong... Thank you for pointing this out.

will you mind against this?

diff --git a/include/net/net_namespace.h b/include/net/net_namespace.h

index 5dd6d90..d136707 100644

--- a/include/net/net_namespace.h

+++ b/include/net/net_namespace.h

@@ -119,10 +119,14 @@ static inline struct net *maybe_get_net(struct net *net)

#ifdef CONFIG_NET_NS

#define __net_init

#define __net_exit

-#define __net_initdata

#else

#define __net_init __init

#define __net_exit __exit_refok

```
+#endif
+
+#if defined(CONFIG_NET_NS) || defined(MODULE)
+#define __net_initdata
+#else
+#define __net_initdata __initdata
#endif
```

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