
Subject: [RFC][patch 0/1] fix allnoconfig for net-2.6.24
Posted by [Daniel Lezcano](#) on Wed, 12 Sep 2007 17:07:39 GMT
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The kernel compilation fails with allnoconfig with an unresolved to init_net.
I tried to figure out how to fix that. The problem is raised because the init_net variable is defined as extern in net_namespace.h while the variable is declared in net_namespace.c. This file is not compiled because of the config options and that leads to the compilation error.

I noticed the uts namespace defines the init_uts_ns in init/version.c, so I moved the init_net to this file too. The compilation error is fixed.

But I don't like really this approach because:

- 1 - we fall under a part not covered by the network
- 2 - we add a new include net_namespace.h in version.c

Does this fix seems correct ? I just want to fix it for now to have net-2.6.24 compiling for all configs.

--

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Subject: [RFC][patch 1/1] From: Daniel Lezcano <dlezcano@fr.ibm.com>
Posted by [Daniel Lezcano](#) on Wed, 12 Sep 2007 17:07:40 GMT
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Fix allnoconfig compilation error

Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>

```
init/version.c      | 4 ++++
net/core/net_namespace.c | 3 ---
2 files changed, 4 insertions(+), 3 deletions(-)
```

Index: net-2.6.24/init/version.c

```
=====
--- net-2.6.24.orig/init/version.c
+++ net-2.6.24/init/version.c
@@ -12,6 +12,7 @@
#include <linux/utsname.h>
#include <linux/utsrelease.h>
#include <linux/version.h>
+#include <net/net_namespace.h>
```

```

#define version(a) Version_ ## a
#define version_string(a) version(a)
@@ -33,6 +34,9 @@ struct uts_namespace init_uts_ns = {
};
EXPORT_SYMBOL_GPL(init_uts_ns);

+struct net init_net;
+EXPORT_SYMBOL_GPL(init_net);
+
/* FIXED STRINGS! Don't touch! */
const char linux_banner[] =
"Linux version " UTS_RELEASE " (" LINUX_COMPILE_BY "@"
Index: net-2.6.24/net/core/net_namespace.c
=====
--- net-2.6.24.orig/net/core/net_namespace.c
+++ net-2.6.24/net/core/net_namespace.c
@@ -19,9 +19,6 @@ LIST_HEAD(net_namespace_list);

static struct kmem_cache *net_cachep;

-struct net init_net;
-EXPORT_SYMBOL_GPL(init_net);
-
void net_lock(void)
{
mutex_lock(&net_list_mutex);

--

```

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Subject: Re: [RFC][patch 0/1] fix allnoconfig for net-2.6.24
Posted by [ebiederm](#) on Wed, 12 Sep 2007 17:23:41 GMT
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dlezcano@fr.ibm.com writes:

```

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>
> Does this fix seems correct ? I just want to fix it for now to have net-2.6.24
> compiling for all configs.

Thanks for the testing and catching all of the little nit picky things.

Where is init_net used that is a problem with allnoconfig?

Eric

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Subject: Re: [RFC][patch 0/1] fix allnoconfig for net-2.6.24
Posted by [ebiederm](#) on Wed, 12 Sep 2007 17:45:23 GMT
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dlezcano@fr.ibm.com writes:

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Ok. We seem to have the same issue with the ipc namespace.
And it uses the INIT_IPC_NS macro to handle it.

I wonder if we can do something similar here.

It looks like the initialization of nsproxy is the big gotcha.

> I noticed the uts namespace defines the init_uts_ns in init/version.c, so I
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> compiling for all configs.

I think we can probably spend a couple more hours and fix things cleanly.
If that we can't figure out a clean solution I'm happy to deal with the
hack. But if we can find something clean and maintainable I would
very much prefer that.

So do you think you can come up with something based on the model
of INIT_IPC_NS?

Eric

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Subject: Re: [RFC][patch 0/1] fix allnoconfig for net-2.6.24
Posted by [Daniel Lezcano](#) on Wed, 12 Sep 2007 19:37:44 GMT
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Eric W. Biederman wrote:

> dlezcano@fr.ibm.com writes:

>

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Sure, I will send it in a few hours ...

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Subject: Re: [RFC][patch 0/1] fix allnoconfig for net-2.6.24
Posted by [ebiederm](#) on Wed, 12 Sep 2007 19:45:09 GMT
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Daniel Lezcano <dlezcano@fr.ibm.com> writes:

> Sure, I will send it in a few hours ...

Thanks.

Eric

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