
Subject: [NETNS][patch 1/1] fix allnoconfig compilation error
Posted by [Daniel Lezcano](#) on Wed, 12 Sep 2007 20:48:27 GMT
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From: Daniel Lezcano <dlezcano@fr.ibm.com>

When CONFIG_NET=no, init_net is unresolved because net_namespace.c is not compiled and the include pull init_net definition.

This problem was very similar with the ipc namespace where the kernel can be compiled with SYSV ipc out.

This patch fix that defining a macro which simply remove init_net initialization from nsproxy namespace aggregator.

Compiled and booted on qemu-i386 with CONFIG_NET=no and CONFIG_NET=yes.

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

```
include/linux/init_task.h | 2 +-
include/net/net_namespace.h | 7 +++++++
2 files changed, 8 insertions(+), 1 deletion(-)
```

Index: net-2.6.24/include/linux/init_task.h

=====

```
--- net-2.6.24.orig/include/linux/init_task.h
+++ net-2.6.24/include/linux/init_task.h
@@ -79,7 +79,7 @@ extern struct nsproxy init_nsproxy;
 .nslock = __SPIN_LOCK_UNLOCKED(nsproxy.nslock), \
 .uts_ns = &init_uts_ns, \
 .mnt_ns = NULL, \
- .net_ns = &init_net, \
+ INIT_NET_NS(net_ns) \
 INIT_IPC_NS(ipc_ns) \
 .user_ns = &init_user_ns, \
 }
```

Index: net-2.6.24/include/net/net_namespace.h

=====

```
--- net-2.6.24.orig/include/net/net_namespace.h
+++ net-2.6.24/include/net/net_namespace.h
@@ -28,7 +28,14 @@ struct net {
 struct hlist_head *dev_index_head;
};
```

```
+#ifdef CONFIG_NET
+/* Init's network namespace */
extern struct net init_net;
+#define INIT_NET_NS(net_ns) .net_ns = &init_net,
```

```
+#else
+#define INIT_NET_NS(net_ns)
+#endif
+
extern struct list_head net_namespace_list;

extern void __put_net(struct net *net);

--
```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: [NETNS][patch 1/1] fix allnoconfig compilation error
Posted by [ebiederm](#) on Wed, 12 Sep 2007 21:27:42 GMT
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dlezcano@fr.ibm.com writes:

```
> From: Daniel Lezcano <dlezcano@fr.ibm.com>
>
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> is not compiled and the include pull init_net definition.
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>
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>
> Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>
Acked-by: "Eric W. Biederman" <ebiederm@xmission.com>
```

This looks good and is quite simple.

My apologies for over looking the case where the networking stack is not compiled in.

Eric

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