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);

--
```

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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>
>
> 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>
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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