
Subject: [PATCH 0/3 net-2.6.26] Compilation fixes.
Posted by [den](#) on Mon, 31 Mar 2008 15:46:01 GMT
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Hello, Dave!

Recently I have seen several issues post to the netdev@ blaming inclusion of the net_namespace.h from seq_file. This set fixes this problem after two small cleanups.

Regards,
Den

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

Subject: [PATCH 1/3 net-2.6.26] [NETNS]: Merge ifdef CONFIG_NET in include/net/net_namespace.h.
Posted by [den](#) on Mon, 31 Mar 2008 15:47:00 GMT
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Signed-off-by: Denis V. Lunev <den@openvz.org>

include/net/net_namespace.h | 18 ++++++++-----
1 files changed, 10 insertions(+), 8 deletions(-)

diff --git a/include/net/net_namespace.h b/include/net/net_namespace.h
index f8f3d1a..035ebff 100644

--- a/include/net/net_namespace.h
+++ b/include/net/net_namespace.h
@@ -61,25 +61,27 @@ struct net {
#endif
};

+
#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;
-


```
EXPORT_SYMBOL_GPL(seq_open_net);

#ifndef CONFIG_NET
int seq_release_net(struct inode *ino, struct file *f)
{
    struct seq_file *seq;
@@ -219,4 +218,3 @@ int __init proc_net_init(void)

    return register_pernet_subsys(&proc_net_ns_ops);
}
#endif /* CONFIG_NET */
--
1.5.3.rc5
```

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Subject: [PATCH 3/3 net-2.6.26] [NETNS]: Do not include net/net_namespace.h from seq_file.h

Posted by [den](#) on Mon, 31 Mar 2008 15:47:02 GMT

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Signed-off-by: Denis V. Lunev <den@openvz.org>

```
---
include/linux/seq_file.h | 22 -----
include/linux/seq_file_net.h | 27 +++++
include/net/net_namespace.h | 2 ++
3 files changed, 29 insertions(+), 22 deletions(-)
create mode 100644 include/linux/seq_file_net.h
```

```
diff --git a/include/linux/seq_file.h b/include/linux/seq_file.h
```

```
index 5da70c3..1da1e62 100644
```

```
--- a/include/linux/seq_file.h
```

```
+++ b/include/linux/seq_file.h
```

```
@@ -5,7 +5,6 @@
```

```
#include <linux/types.h>
```

```
#include <linux/string.h>
```

```
#include <linux/mutex.h>
```

```

-#include <net/net_namespace.h>
```

```
struct seq_operations;
```

```
struct file;
```

```
@@ -63,26 +62,5 @@ extern struct list_head *seq_list_start_head(struct list_head *head,
extern struct list_head *seq_list_next(void *v, struct list_head *head,
loff_t *ppos);
```

```

-#ifdef CONFIG_NET
-struct net;
-struct seq_net_private {
-#ifdef CONFIG_NET_NS
- struct net *net;
-#endif
-};
-
-int seq_open_net(struct inode *, struct file *,
- const struct seq_operations *, int);
-int seq_release_net(struct inode *, struct file *);
-static inline struct net *seq_file_net(struct seq_file *seq)
-{
-#ifdef CONFIG_NET_NS
- return ((struct seq_net_private *)seq->private)->net;
-#else
- return &init_net;
-#endif
-}
-#endif /* CONFIG_NET */
-
-#endif
-#endif
diff --git a/include/linux/seq_file_net.h b/include/linux/seq_file_net.h
new file mode 100644
index 0000000..4ac5254
--- /dev/null
+++ b/include/linux/seq_file_net.h
@@ -0,0 +1,27 @@
+#ifndef __SEQ_FILE_NET_H__
+#define __SEQ_FILE_NET_H__
+
+#include <linux/seq_file.h>
+
+struct net;
+extern struct net init_net;
+
+struct seq_net_private {
+#ifdef CONFIG_NET_NS
+ struct net *net;
+#endif
+};
+
+int seq_open_net(struct inode *, struct file *,
+ const struct seq_operations *, int);
+int seq_release_net(struct inode *, struct file *);
+static inline struct net *seq_file_net(struct seq_file *seq)

```

```

+{
+ #ifdef CONFIG_NET_NS
+ return ((struct seq_net_private *)seq->private)->net;
+ #else
+ return &init_net;
+ #endif
+}
+
+ #endif
diff --git a/include/net/net_namespace.h b/include/net/net_namespace.h
index 035ebff..35b6752 100644
--- a/include/net/net_namespace.h
+++ b/include/net/net_namespace.h
@@ -63,6 +63,8 @@ struct net {

# ifdef CONFIG_NET
+ #include <linux/seq_file_net.h>
+
+ /* Init's network namespace */
extern struct net init_net;
# define INIT_NET_NS(net_ns) .net_ns = &init_net,
--
1.5.3.rc5

```

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Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.
Posted by [davem](#) on Wed, 02 Apr 2008 07:10:48 GMT
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From: "Denis V. Lunev" <den@openvz.org>
Date: Mon, 31 Mar 2008 19:46:01 +0400

> Hello, Dave!
>
> Recently I have seen several issues post to the netdev@ blaming
> inclusion of the net_namespace.h from seq_file. This set fixes this
> problem after two small cleanups.

All applied, thanks Denis.

I'll push to net-2.6.26 after some build sanity checks.

Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.

Posted by [den](#) on Wed, 02 Apr 2008 10:01:14 GMT

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On Wed, 2008-04-02 at 00:10 -0700, David Miller wrote:

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

> Date: Mon, 31 Mar 2008 19:46:01 +0400

>

> > Hello, Dave!

> >

> > Recently I have seen several issues post to the netdev@ blaming

> > inclusion of the net_namespace.h from seq_file. This set fixes this

> > problem after two small cleanups.

>

> All applied, thanks Denis.

>

> I'll push to net-2.6.26 after some build sanity checks.

Dave, could you pls consider this addition. This should fix problem reported by the Kamallesh Babulal <kamallesh@linux.vnet.ibm.com> recently.

[NETNS]: Declare init_net even without CONFIG_NET defined.

This seems bogus but there is no other way for now. There are several places when networking headers are included even without CONFIG_NET and the possibility of the similar reports in the nearest future is great.

Signed-off-by: Denis V. Lunev <den@openvz.org>

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

index 6c9a48a..0ab62ed 100644

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

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

@@ -60,11 +60,12 @@ struct net {
};

-#ifndef CONFIG_NET

#include <linux/seq_file_net.h>

/* Init's network namespace */

extern struct net init_net;

+

```
+#ifdef CONFIG_NET
#define INIT_NET_NS(net_ns) .net_ns = &init_net,

extern struct net *copy_net_ns(unsigned long flags, struct net *net_ns);
```

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File Attachments

1) [diff-netns-compile.txt](#), downloaded 343 times

Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.
Posted by [davem](#) on Wed, 02 Apr 2008 18:42:29 GMT
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From: "Denis V. Lunev" <den@openvz.org>
Date: Wed, 02 Apr 2008 14:01:14 +0400

> On Wed, 2008-04-02 at 00:10 -0700, David Miller wrote:
> > From: "Denis V. Lunev" <den@openvz.org>
> > Date: Mon, 31 Mar 2008 19:46:01 +0400
> >
> > > Hello, Dave!
> > >
> > > Recently I have seen several issues post to the netdev@ blaming
> > > inclusion of the net_namespace.h from seq_file. This set fixes this
> > > problem after two small cleanups.
> >
> > All applied, thanks Denis.
> >
> > I'll push to net-2.6.26 after some build sanity checks.
>
> Dave, could you pls conside this addition. This should fix problem
> reported by the Kamalesh Babulal <kamalesh@linux.vnet.ibm.com> recently.

Then this invalidates enourmous amounts of CONFIG_NET tests
we've put into the headers over the past few days.

All of them were explicitly to avoid having to provide the
init_net symbol when CONFIG_NET is not set.

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Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.

Posted by [den](#) on Wed, 02 Apr 2008 19:46:19 GMT

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On Wed, 2008-04-02 at 11:42 -0700, David Miller wrote:

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

> Date: Wed, 02 Apr 2008 14:01:14 +0400

>

> > On Wed, 2008-04-02 at 00:10 -0700, David Miller wrote:

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

> > > Date: Mon, 31 Mar 2008 19:46:01 +0400

> > >

> > > Hello, Dave!

> > > >

> > > > Recently I have seen several issues post to the netdev@ blaming

> > > > inclusion of the net_namespace.h from seq_file. This set fixes this

> > > > problem after two small cleanups.

> > >

> > > All applied, thanks Denis.

> > >

> > > I'll push to net-2.6.26 after some build sanity checks.

> >

> > Dave, could you pls conside this addition. This should fix problem

> > reported by the Kamalesh Babulal <kamalesh@linux.vnet.ibm.com> recently.

>

> Then this invalidates enourmous amounts of CONFIG_NET tests

> we've put into the headers over the past few days.

>

> All of them were explicitly to avoid having to provide the

> init_net symbol when CONFIG_NET is not set.

OK. do you suggest to insert another CONFIG_NET check into if_pppox
header or separate fs/compat_ioctl.c into two files:

- for net ioctls

- for the rest?

Regards,

Den

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Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.

Posted by [davem](#) on Wed, 02 Apr 2008 20:56:09 GMT

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From: "Denis V. Lunev" <den@openvz.org>
Date: Wed, 02 Apr 2008 23:46:19 +0400

> On Wed, 2008-04-02 at 11:42 -0700, David Miller wrote:
> > From: "Denis V. Lunev" <den@openvz.org>
> > Date: Wed, 02 Apr 2008 14:01:14 +0400
> >
> > > Dave, could you pls conside this addition. This should fix problem
> > > reported by the Kamalesh Babulal <kamalesh@linux.vnet.ibm.com> recently.
> >
> > Then this invalidates enourmous amounts of CONFIG_NET tests
> > we've put into the headers over the past few days.
> >
> > All of them were explicitly to avoid having to provide the
> > init_net symbol when CONFIG_NET is not set.
>
> OK. do you suggest to insert another CONFIG_NET check into if_pppox
> header or separate fs/compat_ioctl.c into two files:
> - for net ioctls
> - for the rest?

It's probably better to go your route. That is, unprotect
the init_net extern, and remove the CONFIG_NET's we added
which are no longer necessary.

Could you do such a patch set? Thanks.

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Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.
Posted by [den](#) on Wed, 02 Apr 2008 21:00:07 GMT
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On Wed, 2008-04-02 at 13:56 -0700, David Miller wrote:
> From: "Denis V. Lunev" <den@openvz.org>
> Date: Wed, 02 Apr 2008 23:46:19 +0400
>
> > On Wed, 2008-04-02 at 11:42 -0700, David Miller wrote:
> > > From: "Denis V. Lunev" <den@openvz.org>
> > > Date: Wed, 02 Apr 2008 14:01:14 +0400
> > >
> > > > Dave, could you pls conside this addition. This should fix problem
> > > > reported by the Kamalesh Babulal <kamalesh@linux.vnet.ibm.com> recently.
> > >
> > > Then this invalidates enourmous amounts of CONFIG_NET tests

> > > we've put into the headers over the past few days.
> > >
> > > All of them were explicitly to avoid having to provide the
> > > init_net symbol when CONFIG_NET is not set.
> >
> > OK. do you suggest to insert another CONFIG_NET check into if_pppox
> > header or separate fs/compat_ioctl.c into two files:
> > - for net ioctls
> > - for the rest?
>
> It's probably better to go your route. That is, unprotect
> the init_net extern, and remove the CONFIG_NET's we added
> which are no longer necessary.
>
> Could you do such a patch set? Thanks.

Sure, but, unfortunately, only tomorrow morning. It is too late today in Moscow :)

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<https://lists.linux-foundation.org/mailman/listinfo/containers>

Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.
Posted by [davem](#) on Wed, 02 Apr 2008 21:00:46 GMT
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From: "Denis V. Lunev" <den@openvz.org>
Date: Thu, 03 Apr 2008 01:00:07 +0400

> On Wed, 2008-04-02 at 13:56 -0700, David Miller wrote:
> > From: "Denis V. Lunev" <den@openvz.org>
> > Date: Wed, 02 Apr 2008 23:46:19 +0400
> >
> > Could you do such a patch set? Thanks.
>
> Sure, but, unfortunately, only tomorrow morning. It is too late today in
> Moscow :)

No problem, there is no rush :-)

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Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.

Posted by [den](#) on Thu, 03 Apr 2008 14:13:52 GMT

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On Wed, 2008-04-02 at 14:00 -0700, David Miller wrote:

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

> Date: Thu, 03 Apr 2008 01:00:07 +0400

>

> > On Wed, 2008-04-02 at 13:56 -0700, David Miller wrote:

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

> > > Date: Wed, 02 Apr 2008 23:46:19 +0400

> > >

> > > Could you do such a patch set? Thanks.

> >

> > Sure, but, unfortunately, only tomorrow morning. It is too late today in

> > Moscow :)

>

> No problem, there is no rush :-)

pls consider this. I have found only 3 commits related

[NETNS]: Declare init_net even without CONFIG_NET defined.

This does not look good, but there is no other choice. The compilation without CONFIG_NET is broken and can not be fixed with ease.

After that there is no need for the following commits:

1567ca7eec7664b8be3b07755ac59dc1b1ec76cb

3edf8fa5ccf10688a9280b5cbca8ed3947c42866

2d38f9a4f8d2ebdc799f03eecf82345825495711

Revert them.

Signed-off-by: Denis V. Lunev <den@openvz.org>

diff --git a/include/linux/netdevice.h b/include/linux/netdevice.h

index c36c76c..8b17ed4 100644

--- a/include/linux/netdevice.h

+++ b/include/linux/netdevice.h

@@ -741,7 +741,6 @@ struct net_device

#define NETDEV_ALIGN 32

#define NETDEV_ALIGN_CONST (NETDEV_ALIGN - 1)

-#ifndef CONFIG_NET

/*

* Net namespace inlines

*/

@@ -762,7 +761,6 @@ void dev_net_set(struct net_device *dev, struct net *net)

dev->nd_net = net;

```

#endif
}
#endif

/**
 * netdev_priv - access network device private data
@@ -827,7 +825,6 @@ struct packet_type {
extern rwlock_t dev_base_lock; /* Device list lock */

#ifndef CONFIG_NET
#define for_each_netdev(net, d) \
    list_for_each_entry(d, &(net)->dev_base_head, dev_list)
#define for_each_netdev_safe(net, d, n) \
@@ -851,7 +848,6 @@ static inline struct net_device *first_net_device(struct net *net)
    return list_empty(&net->dev_base_head) ? NULL :
        net_device_entry(net->dev_base_head.next);
}
#endif

extern int netdev_boot_setup_check(struct net_device *dev);
extern unsigned long netdev_boot_base(const char *prefix, int unit);
diff --git a/include/net/net_namespace.h b/include/net/net_namespace.h
index 6c9a48a..0ab62ed 100644
--- a/include/net/net_namespace.h
+++ b/include/net/net_namespace.h
@@ -60,11 +60,12 @@ struct net {
};

#ifndef CONFIG_NET
#include <linux/seq_file_net.h>

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

extern struct net *copy_net_ns(unsigned long flags, struct net *net_ns);
diff --git a/lib/kobject_uevent.c b/lib/kobject_uevent.c
index 0d56dad..b06185e 100644
--- a/lib/kobject_uevent.c
+++ b/lib/kobject_uevent.c
@@ -19,12 +19,10 @@
#include <linux/kobject.h>
#include <linux/module.h>

```

```
-#ifdef CONFIG_NET
#include <linux/socket.h>
#include <linux/skbuff.h>
#include <linux/netlink.h>
#include <net/sock.h>
#endif
```

u64 uevent_seqnum;

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File Attachments

1) [diff-netns-compile.txt](#), downloaded 329 times

Subject: Re: [PATCH 0/3 net-2.6.26] Compilation fixes.
Posted by [davem](#) on Thu, 03 Apr 2008 20:25:55 GMT
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From: "Denis V. Lunev" <den@openvz.org>
Date: Thu, 03 Apr 2008 18:13:52 +0400

> On Wed, 2008-04-02 at 14:00 -0700, David Miller wrote:
> > From: "Denis V. Lunev" <den@openvz.org>
> > Date: Thu, 03 Apr 2008 01:00:07 +0400
> >
> > > On Wed, 2008-04-02 at 13:56 -0700, David Miller wrote:
> > > > From: "Denis V. Lunev" <den@openvz.org>
> > > > Date: Wed, 02 Apr 2008 23:46:19 +0400
> > > >
> > > > Could you do such a patch set? Thanks.
> > >
> > > Sure, but, unfortunately, only tomorrow morning. It is too late today in
> > > Moscow :)
> >
> > No problem, there is no rush :-)
>
> pls consider this. I have found only 3 commits related

Applied, thanks a lot for doing this work.

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