

---

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

---

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

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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  
[View Forum Message](#) <> [Reply to Message](#)

---

Signed-off-by: Denis V. Lunev <[den@openvz.org](mailto: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;
-
```

```
-#ifdef CONFIG_NET
extern struct net *copy_net_ns(unsigned long flags, struct net *net_ns);
-#else
+
+#else /* CONFIG_NET */
+
+#define INIT_NET_NS(net_ns)
+
static inline struct net *copy_net_ns(unsigned long flags, struct net *net_ns)
{
/* There is nothing to copy so this is a noop */
return net_ns;
}
-#endif
+#endif /* CONFIG_NET */
+
+extern struct list_head net_namespace_list;

#ifdef CONFIG_NET_NS
extern void __put_net(struct net *net);
--
1.5.3.rc5
```

---

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Subject: [PATCH 2/3 net-2.6.26] [NETNS]: Remove ifdef CONFIG\_NET braces in fs/proc/proc\_net.c.  
Posted by [den](#) on Mon, 31 Mar 2008 15:47:01 GMT  
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---

They are redundant as this file is linked in iff CONFIG\_NET is turned on.

Signed-off-by: Denis V. Lunev <[den@openvz.org](mailto:den@openvz.org)>

---

```
fs/proc/proc_net.c | 2 --
1 files changed, 0 insertions(+), 2 deletions(-)
```

```
diff --git a/fs/proc/proc_net.c b/fs/proc/proc_net.c
index 7034fac..13cd783 100644
--- a/fs/proc/proc_net.c
+++ b/fs/proc/proc_net.c
@@ -51,7 +51,6 @@ int seq_open_net(struct inode *ino, struct file *f,
}
```

```
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](mailto: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);
```

```

-#ifndef CONFIG_NET
-struct net;
-struct seq_net_private {
-#ifndef 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)
-{
-#ifndef 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 {
+#ifndef 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](mailto: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](mailto: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](mailto: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 {  
};

---  
-#ifdef 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 469 times

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---

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 considre 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](mailto: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](mailto: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 considere this addition. This should fix problem

>> reported by the Kamalesh Babulal <[kamalesh@linux.vnet.ibm.com](mailto: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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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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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 considere 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 considere 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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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](mailto: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](mailto: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](mailto: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 486 times

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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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