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Subject: git 2.6.24 compilation

Posted by [Benny Amorsen](#) on Thu, 07 Feb 2008 18:59:54 GMT

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I have struck a few problems compiling latest git (as of a few hours ago). Some of the problems are due to the sanitization of kernel headers, where it seems some openvz definitions have escaped out of the `#ifdef __KERNEL__` clause. Patch for those:

```
--- linux-2.6.24-openvz/include/linux/capability.h.old 2008-02-07 14:51:17.000000000 +0100
+++ linux-2.6.24-openvz/include/linux/capability.h 2008-02-07 16:57:20.000000000 +0100
@@ -15,7 +15,10 @@
```

```
#include <linux/types.h>
#include <linux/compiler.h>
+
+#ifdef __KERNEL__
#include <linux/spinlock.h>
+#endif
```

```
struct task_struct;
```

```
--- linux-2.6.24-openvz/include/linux/if_tun.h.old 2008-02-07 14:51:17.000000000 +0100
+++ linux-2.6.24-openvz/include/linux/if_tun.h 2008-02-07 17:16:16.000000000 +0100
@@ -18,15 +18,15 @@
```

```
#ifndef __IF_TUN_H
#define __IF_TUN_H
```

```

-#include <linux/skbuff.h>
-#include <linux/if_ether.h>
-#include <linux/netdevice.h>
```

```
-
/* Uncomment to enable debugging */
/* #define TUN_DEBUG 1 */
```

```
#ifdef __KERNEL__
```

```

+#include <linux/skbuff.h>
+#include <linux/if_ether.h>
+#include <linux/netdevice.h>
```

```

+
#ifdef TUN_DEBUG
#define DBG if(tun->debug)printk
#define DBG1 if(debug==2)printk
@@ -60,6 +60,12 @@
#endif
};
```

```

+extern int tun_net_open(struct net_device *dev);
+extern int tun_chr_open(struct inode *inode, struct file * file);
+extern void tun_net_init(struct net_device *dev);
+extern void tun_setup(struct net_device *dev);
+extern struct list_head tun_dev_list;
+
#endif /* __KERNEL__ */

/* Read queue size */
@@ -97,10 +103,4 @@
};
#define TUN_PKT_STRIP 0x0001

-extern int tun_net_open(struct net_device *dev);
-extern int tun_chr_open(struct inode *inode, struct file * file);
-extern void tun_net_init(struct net_device *dev);
-extern void tun_setup(struct net_device *dev);
-extern struct list_head tun_dev_list;
-
#endif /* __IF_TUN_H */

```

However, now I'm stuck at this one:

```

ERROR: "sys_open" [kernel/cpt/vzrst.ko] undefined!
ERROR: "sys_open" [kernel/cpt/vzcpt.ko] undefined!
make[1]: *** [__modpost] Error 1
make: *** [modules] Error 2
+ exit 1

```

I'd really like some help.

/Benny

Subject: Re: git 2.6.24 compilation  
 Posted by [Dariush Pietrzak](#) on Fri, 08 Feb 2008 14:15:20 GMT  
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```

> ERROR: "sys_open" [kernel/cpt/vzrst.ko] undefined!
> ERROR: "sys_open" [kernel/cpt/vzcpt.ko] undefined!
> make[1]: *** [__modpost] Error 1
> make: *** [modules] Error 2
> + exit 1

```

this seems to have been fixed recently, and now checkpointing compiles on amd64 (doesn't seem to work yet though:)

```
venom:/home/eyck# vzctl chkpnt 32
Setting up checkpoint...
suspend...
dump...
Can not dump VE: Invalid argument
Error: unknown restart block ffffffff802b0f9a
Checkpointing failed
and:
CPT ERR: ffff81006ed18000,101 :unknown restart block ffffffff802b0f9a
CPT ERR: ffff81006ed19800,32 :unknown restart block ffffffff802b0f9a
CPT ERR: ffff810070d20800,64 :unknown restart block ffffffff802b0f9a

--
Key fingerprint = 40D0 9FFB 9939 7320 8294 05E0 BCC7 02C4 75CC 50D9
Total Existence Failure
```

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