

[RFC: 2.6 patch] unexport get_wchan

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-01/9279.html>

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The only user of get_wchan I was able to find is the proc fs – and proc can't be built modular.

Is the patch below to remove the export of get_wchan correct or did I oversee something?

```
arch/alpha/kernel/alpha_ksyms.c | 2 --
arch/arm/kernel/process.c        | 1 -
arch/arm26/kernel/armksyms.c     | 2 --
arch/frv/kernel/frv_ksyms.c      | 2 --
arch/h8300/kernel/h8300_ksyms.c  | 2 --
arch/i386/kernel/i386_ksyms.c    | 2 --
arch/m68k/kernel/m68k_ksyms.c    | 1 -
arch/m68knommu/kernel/m68k_ksyms.c | 2 --
arch/mips/kernel/process.c       | 1 -
arch/ppc/kernel/ppc_ksyms.c      | 1 -
arch/ppc64/kernel/ppc_ksyms.c    | 1 -
arch/x86_64/kernel/x8664_ksyms.c | 2 --
12 files changed, 19 deletions(-)
```

```
--- linux-2.6.11-rc2-mm2-full/arch/i386/kernel/i386_ksyms.c.old 2005-01-31 14:15:27.000000000 +0100
```

```
+++ linux-2.6.11-rc2-mm2-full/arch/i386/kernel/i386_ksyms.c      2005-01-31 14:15:37.000000000 +0100
```

```
@@ -159,8 +159,6 @@
```

```
EXPORT_SYMBOL(screen_info);
#endif
```

```
-EXPORT_SYMBOL(get_wchan);
```

```
-
```

```
EXPORT_SYMBOL(rtc_lock);
```

```
EXPORT_SYMBOL_GPL(set_nmi_callback);
```

```
--- linux-2.6.11-rc2-mm2-full/arch/arm/kernel/process.c.old      2005-01-31 14:15:46.000000000 +0100
```

```
+++ linux-2.6.11-rc2-mm2-full/arch/arm/kernel/process.c          2005-01-31 14:15:52.000000000 +0100
```

```
@@ -461,4 +461,3 @@
```

```
    } while (count ++ < 16);
    return 0;
```

```
}
```

```
-EXPORT_SYMBOL(get_wchan);
```

```
--- linux-2.6.11-rc2-mm2-full/arch/ppc/kernel/ppc_ksyms.c.old    2005-01-31 14:15:59.000000000 +0100
```

```
+++ linux-2.6.11-rc2-mm2-full/arch/ppc/kernel/ppc_ksyms.c      2005-01-31 14:16:03.000000000 +0100
```

```
@@ -288,7 +288,6 @@
```

```
EXPORT_SYMBOL(timer_interrupt);
EXPORT_SYMBOL(irq_desc);
EXPORT_SYMBOL(tb_ticks_per_jiffy);
```

```
-EXPORT_SYMBOL(get_wchan);
```

Linux-Kernel: [RFC: 2.6 patch] unexport get_wchan

```
EXPORT_SYMBOL(console_drivers);
#ifdef CONFIG_XMON
EXPORT_SYMBOL(xmon);
--- linux-2.6.11-rc2-mm2-full/arch/mips/kernel/process.c.old      2005-01-31 14:16:10.000000000 +01
+++ linux-2.6.11-rc2-mm2-full/arch/mips/kernel/process.c        2005-01-31 14:16:29.000000000 +01
@@ -361,4 +361,3 @@
     return pc;
}

-EXPORT_SYMBOL(get_wchan);
--- linux-2.6.11-rc2-mm2-full/arch/m68knommu/kernel/m68k_ksyms.c.old  2005-01-31 14:16:37.000000
+++ linux-2.6.11-rc2-mm2-full/arch/m68knommu/kernel/m68k_ksyms.c    2005-01-31 14:16:40.000000
@@ -60,8 +60,6 @@
EXPORT_SYMBOL(__down_failed_trylock);
EXPORT_SYMBOL(__up_wakeup);

-EXPORT_SYMBOL(get_wchan);
-
/*
 * libgcc functions - functions that are used internally by the
 * compiler... (prototypes are not correct though, but that
--- linux-2.6.11-rc2-mm2-full/arch/arm26/kernel/armksyms.c.old  2005-01-31 14:16:49.000000000 +01
+++ linux-2.6.11-rc2-mm2-full/arch/arm26/kernel/armksyms.c      2005-01-31 14:16:52.000000000 +01
@@ -213,8 +213,6 @@
EXPORT_SYMBOL(sys_exit);
EXPORT_SYMBOL(sys_wait4);

-EXPORT_SYMBOL(get_wchan);
-
#ifdef CONFIG_PREEMPT
EXPORT_SYMBOL(kernel_flag);
#endif
--- linux-2.6.11-rc2-mm2-full/arch/m68k/kernel/m68k_ksyms.c.old  2005-01-31 14:17:00.000000000 +01
+++ linux-2.6.11-rc2-mm2-full/arch/m68k/kernel/m68k_ksyms.c      2005-01-31 14:17:05.000000000 +01
@@ -85,4 +85,3 @@
EXPORT_SYMBOL(__down_failed_trylock);
EXPORT_SYMBOL(__up_wakeup);

-EXPORT_SYMBOL(get_wchan);
-
#ifdef CONFIG_ALPHA_IRONGATE
EXPORT_SYMBOL(irongate_ioremap);
EXPORT_SYMBOL(irongate_iounmap);
--- linux-2.6.11-rc2-mm2-full/arch/ppc64/kernel/ppc_ksyms.c.old  2005-01-31 14:17:23.000000000 +01
+++ linux-2.6.11-rc2-mm2-full/arch/ppc64/kernel/ppc_ksyms.c      2005-01-31 14:17:27.000000000 +01
@@ -151,7 +151,6 @@

EXPORT_SYMBOL(timer_interrupt);
EXPORT_SYMBOL(irq_desc);
-EXPORT_SYMBOL(get_wchan);
EXPORT_SYMBOL(console_drivers);

EXPORT_SYMBOL(tb_ticks_per_usec);
--- linux-2.6.11-rc2-mm2-full/arch/h8300/kernel/h8300_ksyms.c.old  2005-01-31 14:17:34.000000
+++ linux-2.6.11-rc2-mm2-full/arch/h8300/kernel/h8300_ksyms.c    2005-01-31 14:17:38.000000000 +01
```

Linux-Kernel: [RFC: 2.6 patch] unexport get_wchan

```
@@ -57,8 +57,6 @@
EXPORT_SYMBOL(memscan);
EXPORT_SYMBOL(memmove);

-EXPORT_SYMBOL(get_wchan);
-
/*
 * libgcc functions - functions that are used internally by the
 * compiler... (prototypes are not correct though, but that
--- linux-2.6.11-rc2-mm2-full/arch/x86_64/kernel/x8664_ksyms.c.old      2005-01-31 14:17:46.00000
+++ linux-2.6.11-rc2-mm2-full/arch/x86_64/kernel/x8664_ksyms.c      2005-01-31 14:17:50.000000000 +01
@@ -126,8 +126,6 @@
EXPORT_SYMBOL(screen_info);
#endif

-EXPORT_SYMBOL(get_wchan);
-
EXPORT_SYMBOL(rtc_lock);

EXPORT_SYMBOL_GPL(set_nmi_callback);
--- linux-2.6.11-rc2-mm2-full/arch/frv/kernel/frv_ksyms.c.old      2005-01-31 14:17:58.000000000 +01
+++ linux-2.6.11-rc2-mm2-full/arch/frv/kernel/frv_ksyms.c          2005-01-31 14:18:03.000000000 +01
@@ -73,8 +73,6 @@
EXPORT_SYMBOL(memmove);
EXPORT_SYMBOL(strtok);

-EXPORT_SYMBOL(get_wchan);
-
#ifdef CONFIG_FRV_OUTOFLINE_ATOMIC_OPS
EXPORT_SYMBOL(atomic_test_and_ANDNOT_mask);
EXPORT_SYMBOL(atomic_test_and_OR_mask);
-
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```