

[PATCH] Pass two of removing "\_\_KERNEL\_\_" tests from unexported headers.

## [PATCH] Pass two of removing "\_\_KERNEL\_\_" tests from unexported headers.

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2008-03/msg11937.html>

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  - *Date:* Mon, 31 Mar 2008 06:25:26 -0400 (EDT)
- 

This is the second pass of removing superfluous "\_\_KERNEL\_\_" preprocessor tests from headers under include/linux that aren't exported to userspace. The first pass (the "no-brainer" pass) dealt with headers whose \*entire\* contents were wrapped in a \_\_KERNEL\_\_ test, while this pass goes on to handle those headers that had at least a \*little\* content outside of the \_\_KERNEL\_\_ tests. (Thus, there is no overlap between the patches.)

This pass doesn't deal with any of the ext\*.h or jbd\*.h headers, since those headers had a little too much \_\_KERNEL\_\_ testing for my comfort level.

Signed-off-by: Robert P. J. Day <[rpjday@xxxxxxxxxxxxxxxxx](mailto:rpjday@xxxxxxxxxxxxxxxxx)>

---

compile tested after "make defconfig" on x86.

```
include/linux/a.out.h | 8 -----
include/linux/arcdevice.h | 3 ----
include/linux/bitops.h | 2 --
include/linux/blktrace_api.h | 2 --
include/linux/bsg.h | 4 ----
include/linux/compiler.h | 7 -----
include/linux/cyclomx.h | 4 ----
include/linux/dio.h | 3 ---
include/linux/dnotify.h | 5 -----
include/linux/etherdevice.h | 3 ----
include/linux/fcdevice.h | 2 --
include/linux/fdddevice.h | 2 --
include/linux/hid.h | 3 ---
include/linux/hidraw.h | 6 -----
include/linux/hippidevice.h | 3 ----
include/linux/inetdevice.h | 4 ----
include/linux/isapnp.h | 3 ---
include/linux/ivtv.h | 4 ----
include/linux/ivtvfb.h | 4 ----
```

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```
include/linux/key.h | 3 ---
include/linux/kvm_para.h | 2 --
include/linux/mc146818rtc.h | 2 --
include/linux/mm.h | 3 ---
include/linux/mnt_namespace.h | 2 --
include/linux/ncp_fs_sb.h | 4 ----
include/linux/notifier.h | 3 ---
include/linux/phonedev.h | 3 ---
include/linux/ppp_channel.h | 2 --
include/linux/reiserfs_fs_sb.h | 2 --
include/linux/rwsem-spinlock.h | 3 ----
include/linux/sctp.h | 2 --
include/linux/skbuff.h | 6 +-----
include/linux/sony-laptop.h | 4 ----
include/linux/swap.h | 3 ---
include/linux/thread_info.h | 4 ----
include/linux/trdevice.h | 3 ---
include/linux/usb.h | 4 ----
include/linux/virtio_console.h | 2 --
include/linux/virtio_ring.h | 3 +--
include/linux/zorro.h | 5 ----
41 files changed, 2 insertions(+), 150 deletions(-)
```

```
diff --git a/include/linux/a.out.h b/include/linux/a.out.h
index 208f4e8..d1c6b15 100644
--- a/include/linux/a.out.h
+++ b/include/linux/a.out.h
@@ -132,20 +132,12 @@ enum machine_type {
#endif
```

```
#ifdef linux
-#ifdef __KERNEL__
#include <asm/page.h>
-#else
#include <unistd.h>
-#endif
#if defined(__i386__) || defined(__mc68000__)
#define SEGMENT_SIZE 1024
#else
#ifdef SEGMENT_SIZE
-#ifdef __KERNEL__
#define SEGMENT_SIZE PAGE_SIZE
-#else
#define SEGMENT_SIZE getpagesize()
-#endif
#endif
#endif
#endif
```

```
diff --git a/include/linux/arcdevice.h b/include/linux/arcdevice.h
index fde6758..49dec4c 100644
--- a/include/linux/arcdevice.h
```

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```
+++ b/include/linux/arcdevice.h
@@ -19,8 +19,6 @@
#include <asm/timex.h>
#include <linux/if_arcnet.h>

-#ifdef __KERNEL__
-
-#ifndef bool
#define bool int
#endif
@@ -337,5 +335,4 @@ void arcnet_unregister_proto(struct ArcProto *proto);
irqreturn_t arcnet_interrupt(int irq, void *dev_id);
struct net_device *alloc_arcdev(char *name);

-#endif /* __KERNEL__ */
#endif /* _LINUX_ARCDEVICE_H */
diff --git a/include/linux/bitops.h b/include/linux/bitops.h
index 40d5473..ef4fcab 100644
--- a/include/linux/bitops.h
+++ b/include/linux/bitops.h
@@ -2,13 +2,11 @@
#define _LINUX_BITOPS_H
#include <asm/types.h>

-#ifdef __KERNEL__
#define BIT(nr) (1UL << (nr))
#define BIT_MASK(nr) (1UL << ((nr) % BITS_PER_LONG))
#define BIT_WORD(nr) ((nr) / BITS_PER_LONG)
#define BITS_TO_LONGS(nr) DIV_ROUND_UP(nr, BITS_PER_LONG)
#define BITS_PER_BYTE 8
-#endif

/*
 * Include this here because some architectures need generic_ffs/fls in
diff --git a/include/linux/blktrace_api.h b/include/linux/blktrace_api.h
index cfc3147..8edbd34 100644
--- a/include/linux/blktrace_api.h
+++ b/include/linux/blktrace_api.h
@@ -142,7 +142,6 @@ struct blk_user_trace_setup {
u32 pid;
};

-#ifdef __KERNEL__
#if defined(CONFIG_BLK_DEV_IO_TRACE)
extern int blk_trace_ioctl(struct block_device *, unsigned, char __user *);
extern void blk_trace_shutdown(struct request_queue *);
@@ -300,5 +299,4 @@ extern int blk_trace_remove(struct request_queue *q);
#define blk_trace_startstop(q, start) (-ENOTTY)
#define blk_trace_remove(q) (-ENOTTY)
#endif /* CONFIG_BLK_DEV_IO_TRACE */
-#endif /* __KERNEL__ */
```

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```
#endif
diff --git a/include/linux/bsg.h b/include/linux/bsg.h
index 60e377b..ab6280c 100644
--- a/include/linux/bsg.h
+++ b/include/linux/bsg.h
@@ -51,8 +51,6 @@ struct sg_io_v4 {
__u32 padding;
};

-#ifdef __KERNEL__
-
#if defined(CONFIG_BLK_DEV_BSG)
struct bsg_class_device {
struct class_device *class_dev;
@@ -73,6 +71,4 @@ static inline void bsg_unregister_queue(struct request_queue *rq)
}
#endif

-#endif /* __KERNEL__ */
-
#endif
diff --git a/include/linux/compiler.h b/include/linux/compiler.h
index dcae0c8..ef722c7 100644
--- a/include/linux/compiler.h
+++ b/include/linux/compiler.h
@@ -34,8 +34,6 @@ extern void __chk_io_ptr(const volatile void __iomem *);
# define __cond_lock(x,c) (c)
#endif

-#ifdef __KERNEL__
-
#if __GNUC__ >= 4
# include <linux/compiler-gcc4.h>
#elif __GNUC__ == 3 && __GNUC_MINOR__ >= 2
@@ -72,11 +70,8 @@ extern void __chk_io_ptr(const volatile void __iomem *);
(typeof(ptr)) (__ptr + (off)); })
#endif

-#endif /* __KERNEL__ */
-
#endif /* __ASSEMBLY__ */

-#ifdef __KERNEL__
/*
* Allow us to mark functions as 'deprecated' and have gcc emit a nice
* warning for each use, in hopes of speeding the functions removal.
@@ -148,8 +143,6 @@ extern void __chk_io_ptr(const volatile void __iomem *);
#define __always_inline inline
#endif

-#endif /* __KERNEL__ */
```

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```
-
/*
* From the GCC manual:
*
diff --git a/include/linux/cyclomx.h b/include/linux/cyclomx.h
index b88f7f4..2e882c6 100644
--- a/include/linux/cyclomx.h
+++ b/include/linux/cyclomx.h
@@ -27,9 +27,6 @@
#include <linux/wanrouter.h>
#include <linux/spinlock.h>

-#ifdef __KERNEL__
-/* Kernel Interface */
-
#include <linux/cycx_drv.h> /* Cyclom 2X support module API definitions */
#include <linux/cycx_cfm.h> /* Cyclom 2X firmware module definitions */
#ifdef CONFIG_CYCLOMX_X25
@@ -73,5 +70,4 @@ void cycx_set_state(struct cycx_device *card, int state);
#ifdef CONFIG_CYCLOMX_X25
int cycx_x25_wan_init(struct cycx_device *card, wandev_conf_t *conf);
#endif
-#endif /* __KERNEL__ */
#endif /* _CYCLOMX_H */
diff --git a/include/linux/dio.h b/include/linux/dio.h
index 1e65ebc..b6c9e79 100644
--- a/include/linux/dio.h
+++ b/include/linux/dio.h
@@ -31,8 +31,6 @@

#include <linux/device.h>

-#ifdef __KERNEL__
-
#include <asm/hp300hw.h>

typedef __u16 dio_id;
@@ -276,5 +274,4 @@ static inline void dio_set_drvdata (struct dio_dev *d, void *data)
dio_set_drvdata(&d->dev, data);
}

-#endif /* __KERNEL__ */
#endif /* ndef _LINUX_DIO_H */
diff --git a/include/linux/dnotify.h b/include/linux/dnotify.h
index 102a902..d9af8c3 100644
--- a/include/linux/dnotify.h
+++ b/include/linux/dnotify.h
@@ -16,9 +16,6 @@ struct dnotify_struct {
fl_owner_t dn_owner;
};
```

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```

-#ifdef __KERNEL__
-
-#ifdef CONFIG_DNOTIFY

extern void __inode_dir_notify(struct inode *, unsigned long);
@@ -57,6 +54,4 @@ static inline void inode_dir_notify(struct inode *inode, unsigned long event)

#endif /* CONFIG_DNOTIFY */

-#endif /* __KERNEL__ */
-
#endif /* _LINUX_DNOTIFY_H */
diff --git a/include/linux/etherdevice.h b/include/linux/etherdevice.h
index 25d62e6..96396c2 100644
--- a/include/linux/etherdevice.h
+++ b/include/linux/etherdevice.h
@@ -28,7 +28,6 @@
#include <linux/netdevice.h>
#include <linux/random.h>

-#ifdef __KERNEL__
extern __be16 eth_type_trans(struct sk_buff *skb, struct net_device *dev);
extern const struct header_ops eth_header_ops;

@@ -136,6 +135,4 @@ static inline unsigned compare_ether_addr(const u8 *addr1, const u8 *addr2)
BUILD_BUG_ON(ETH_ALEN != 6);
return ((a[0] ^ b[0]) | (a[1] ^ b[1]) | (a[2] ^ b[2])) != 0;
}
-#endif /* __KERNEL__ */
-
#endif /* _LINUX_ETHERDEVICE_H */
diff --git a/include/linux/fcdevice.h b/include/linux/fcdevice.h
index e460ef8..8263b5c 100644
--- a/include/linux/fcdevice.h
+++ b/include/linux/fcdevice.h
@@ -26,8 +26,6 @@
#include <linux/if_fc.h>

-#ifdef __KERNEL__
extern struct net_device *alloc_fcdev(int sizeof_priv);
-#endif

#endif /* _LINUX_FCDEVICE_H */
diff --git a/include/linux/fdddevice.h b/include/linux/fdddevice.h
index e61e42d..5fae307 100644
--- a/include/linux/fdddevice.h
+++ b/include/linux/fdddevice.h
@@ -24,10 +24,8 @@
```

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

#ifndef __KERNEL__
extern __be16 fddi_type_trans(struct sk_buff *skb,
struct net_device *dev);
extern struct net_device *alloc_fddidev(int sizeof_priv);
#endif

#endif /* _LINUX_FDDIDEVICE_H */
diff --git a/include/linux/hid.h b/include/linux/hid.h
index 74ff575..84620c1 100644
--- a/include/linux/hid.h
+++ b/include/linux/hid.h
@@ -64,8 +64,6 @@

#define HID_MAX_DESCRIPTOR_SIZE 4096

#ifndef __KERNEL__
-
#include <linux/types.h>
#include <linux/slab.h>
#include <linux/list.h>
@@ -573,5 +571,4 @@ static inline int hid_ff_init(struct hid_device *hid) { return -1; }
#define err_hid(format, arg...) printk(KERN_ERR "%s: " format "\n" , \
__FILE__ , ## arg)
#endif
#endif

diff --git a/include/linux/hidraw.h b/include/linux/hidraw.h
index 0536f29..d2662ba 100644
--- a/include/linux/hidraw.h
+++ b/include/linux/hidraw.h
@@ -38,10 +38,6 @@ struct hidraw_devinfo {
/* number of reports to buffer */
#define HIDRAW_BUFFER_SIZE 64

-
-/* kernel-only API declarations */
#ifndef __KERNEL__
-
struct hidraw {
unsigned int minor;
int exist;
@@ -82,5 +78,3 @@ static inline void hidraw_disconnect(struct hid_device *hid) { }
#endif

#endif
-
-#endif
diff --git a/include/linux/hidppdevice.h b/include/linux/hidppdevice.h
index bab303d..e80517f 100644
```

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```
--- a/include/linux/hippidevice.h
+++ b/include/linux/hippidevice.h
@@ -25,8 +25,6 @@

#include <linux/if_hippi.h>

-#ifdef __KERNEL__
-
struct hipp_i_cb {
    __u32 ifield;
};
@@ -34,6 +32,5 @@ struct hipp_i_cb {
extern __be16 hipp_i_type_trans(struct sk_buff *skb, struct net_device *dev);

extern struct net_device *alloc_hippi_dev(int sizeof_priv);
-#endif

#endif /* _LINUX_HIPPIDEVICE_H */
diff --git a/include/linux/inetdevice.h b/include/linux/inetdevice.h
index fc4e3db..3da23ae 100644
--- a/include/linux/inetdevice.h
+++ b/include/linux/inetdevice.h
@@ -1,8 +1,6 @@
-#ifndef _LINUX_INETDEVICE_H
-#define _LINUX_INETDEVICE_H

-#ifdef __KERNEL__
-
#include <linux/bitmap.h>
#include <linux/if.h>
#include <linux/netdevice.h>
@@ -203,8 +201,6 @@ static inline void in_dev_put(struct in_device *idev)
#define __in_dev_put(idev) atomic_dec(&(idev)->refcnt)
#define in_dev_hold(idev) atomic_inc(&(idev)->refcnt)

-#endif /* __KERNEL__ */
-
static __inline__ __be32 inet_make_mask(int logmask)
{
if (logmask)
diff --git a/include/linux/isapnp.h b/include/linux/isapnp.h
index 1e8728a..dc8b3dc 100644
--- a/include/linux/isapnp.h
+++ b/include/linux/isapnp.h
@@ -52,8 +52,6 @@
*
*/

-#ifdef __KERNEL__
-
#define DEVICE_COUNT_COMPATIBLE 4
```

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```
#define ISAPNP_ANY_ID 0xffff
@@ -137,5 +135,4 @@ static inline struct pnp_dev *pnp_find_dev(struct pnp_card *card,

#endif /* CONFIG_ISAPNP */

-#endif /* __KERNEL__ */
#endif /* LINUX_ISAPNP_H */
diff --git a/include/linux/ivtv.h b/include/linux/ivtv.h
index 794b8da..ecac0ea 100644
--- a/include/linux/ivtv.h
+++ b/include/linux/ivtv.h
@@ -21,11 +21,7 @@
#ifndef __LINUX_IVTV_H__
#define __LINUX_IVTV_H__

-#ifndef __KERNEL__
#include <linux/compiler.h> /* need __user */
-#else
-#define __user
-#endif
#include <linux/types.h>

/* ivtv knows several distinct output modes: MPEG streaming,
diff --git a/include/linux/ivtvfb.h b/include/linux/ivtvfb.h
index e980ba6..3e2d49a 100644
--- a/include/linux/ivtvfb.h
+++ b/include/linux/ivtvfb.h
@@ -21,11 +21,7 @@
#ifndef __LINUX_IVTVFB_H__
#define __LINUX_IVTVFB_H__

-#ifndef __KERNEL__
#include <linux/compiler.h> /* need __user */
-#else
-#define __user
-#endif
#include <linux/types.h>

/* Framebuffer external API */
diff --git a/include/linux/key.h b/include/linux/key.h
index a70b8a8..b656723 100644
--- a/include/linux/key.h
+++ b/include/linux/key.h
@@ -21,8 +21,6 @@
#include <linux/rcupdate.h>
#include <asm/atomic.h>

-#ifndef __KERNEL__
-
/* key handle serial number */
```

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```
typedef int32_t key_serial_t;
```

```
@@ -311,5 +309,4 @@ extern struct key root_user_keyring;  
extern struct key root_session_keyring;
```

```
#endif /* CONFIG_KEYS */  
-#endif /* __KERNEL__ */  
#endif /* _LINUX_KEY_H */  
diff --git a/include/linux/kvm_para.h b/include/linux/kvm_para.h  
index 5497aac..0759f98 100644  
--- a/include/linux/kvm_para.h  
+++ b/include/linux/kvm_para.h  
@@ -19,13 +19,11 @@  
*/  
#include <asm/kvm_para.h>
```

```
-#ifdef __KERNEL__  
static inline int kvm_para_has_feature(unsigned int feature)  
{  
if (kvm_arch_para_features() & (1UL << feature))  
return 1;  
return 0;  
}  
-#endif /* __KERNEL__ */  
#endif /* _LINUX_KVM_PARA_H */
```

```
diff --git a/include/linux/mc146818rtc.h b/include/linux/mc146818rtc.h  
index 2f4e957..6635967 100644  
--- a/include/linux/mc146818rtc.h  
+++ b/include/linux/mc146818rtc.h  
@@ -15,7 +15,6 @@  
#include <linux/rtc.h> /* get the user-level API */  
#include <asm/mc146818rtc.h> /* register access macros */
```

```
-#ifdef __KERNEL__  
#include <linux/spinlock.h> /* spinlock_t */  
extern spinlock_t rtc_lock; /* serialize CMOS RAM access */
```

```
@@ -35,7 +34,6 @@ struct cmos_rtc_board_info {  
u8 rtc_mon_alarm; /* zero, or register index */  
u8 rtc_century; /* zero, or register index */  
};  
-#endif
```

```
/******
```

```
* register summary  
diff --git a/include/linux/mm.h b/include/linux/mm.h  
index b695875..0398260 100644  
--- a/include/linux/mm.h  
+++ b/include/linux/mm.h  
@@ -3,8 +3,6 @@
```

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

-#ifdef __KERNEL__
-
#include <linux/gfp.h>
#include <linux/list.h>
#include <linux/mmzone.h>
@@ -1230,5 +1228,4 @@ int vmemmap_populate_basepages(struct page *start_page,
unsigned long pages, int node);
int vmemmap_populate(struct page *start_page, unsigned long pages, int node);

-#endif /* __KERNEL__ */
#endif /* _LINUX_MM_H */
diff --git a/include/linux/mnt_namespace.h b/include/linux/mnt_namespace.h
index 8eed44f..ece28b7 100644
--- a/include/linux/mnt_namespace.h
+++ b/include/linux/mnt_namespace.h
@@ -1,6 +1,5 @@
-#ifndef _NAMESPACE_H_
-#define _NAMESPACE_H_
-#ifdef __KERNEL__

#include <linux/mount.h>
#include <linux/sched.h>
@@ -38,4 +37,3 @@ static inline void get_mnt_ns(struct mnt_namespace *ns)
}

#endif
-#endif

diff --git a/include/linux/ncp_fs_sb.h b/include/linux/ncp_fs_sb.h
index 6330fc7..16354ba 100644
--- a/include/linux/ncp_fs_sb.h
+++ b/include/linux/ncp_fs_sb.h
@@ -13,8 +13,6 @@
#include <linux/net.h>
#include <linux/mutex.h>

-#ifdef __KERNEL__
-
#include <linux/workqueue.h>

#define NCP_DEFAULT_OPTIONS 0 /* 2 for packet signatures */
@@ -154,7 +152,5 @@ static inline void ncp_invalidate_conn(struct ncp_server *server)
server->conn_status |= 0x01;
}

-#endif /* __KERNEL__ */
-
#endif
```

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```
diff --git a/include/linux/notifier.h b/include/linux/notifier.h
index f4df400..63accbf 100644
--- a/include/linux/notifier.h
+++ b/include/linux/notifier.h
@@ -110,8 +110,6 @@ extern void srcu_init_notifier_head(struct srcu_notifier_head *nh);
struct raw_notifier_head name = \
RAW_NOTIFIER_INIT(name)

-#ifdef __KERNEL__
-
extern int atomic_notifier_chain_register(struct atomic_notifier_head *nh,
struct notifier_block *nb);
extern int blocking_notifier_chain_register(struct blocking_notifier_head *nh,
@@ -248,5 +246,4 @@ extern struct blocking_notifier_head reboot_notifier_list;
#define VT_WRITE 0x0003 /* A char got output */
#define VT_UPDATE 0x0004 /* A bigger update occurred */

-#endif /* __KERNEL__ */
#endif /* _LINUX_NOTIFIER_H */
diff --git a/include/linux/phonedevice.h b/include/linux/phonedevice.h
index 4269de9..e1a567f 100644
--- a/include/linux/phonedevice.h
+++ b/include/linux/phonedevice.h
@@ -3,8 +3,6 @@

#include <linux/types.h>

-#ifdef __KERNEL__
-
#include <linux/poll.h>

struct phone_device {
@@ -22,4 +20,3 @@ extern int phone_register_device(struct phone_device *, int unit);
extern void phone_unregister_device(struct phone_device *);

#endif
-#endif
diff --git a/include/linux/ppp_channel.h b/include/linux/ppp_channel.h
index a942892..52ebc35 100644
--- a/include/linux/ppp_channel.h
+++ b/include/linux/ppp_channel.h
@@ -44,7 +44,6 @@ struct ppp_channel {
int latency; /* overhead time in milliseconds */
};

-#ifdef __KERNEL__
/* Called by the channel when it can send some more data. */
extern void ppp_output_wakeup(struct ppp_channel *);

@@ -77,5 +76,4 @@ extern int ppp_unit_number(struct ppp_channel *);
* that ppp_unregister_channel returns.
```

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\*/

---#endif /\* \_\_KERNEL\_\_ \*/

#endif

diff --git a/include/linux/reiserfs\_fs\_sb.h b/include/linux/reiserfs\_fs\_sb.h

index db5ef9b..a2ed621 100644

--- a/include/linux/reiserfs\_fs\_sb.h

+++ b/include/linux/reiserfs\_fs\_sb.h

@@ -4,10 +4,8 @@

#ifndef \_LINUX\_REISER\_FS\_SB

#define \_LINUX\_REISER\_FS\_SB

---#ifdef \_\_KERNEL\_\_

#include <linux/workqueue.h>

#include <linux/rwsem.h>

---#endif

typedef enum {

reiserfs\_attrs\_cleared = 0x00000001,

diff --git a/include/linux/rwsem-spinlock.h b/include/linux/rwsem-spinlock.h

index 6c3c0f6..cba4887 100644

--- a/include/linux/rwsem-spinlock.h

+++ b/include/linux/rwsem-spinlock.h

@@ -15,8 +15,6 @@

#include <linux/spinlock.h>

#include <linux/list.h>

---#ifdef \_\_KERNEL\_\_

-

#include <linux/types.h>

struct rwsem\_waiter;

@@ -74,5 +72,4 @@ static inline int rwsem\_is\_locked(struct rw\_semaphore \*sem)

return (sem->activity != 0);

}

---#endif /\* \_\_KERNEL\_\_ \*/

#endif /\* \_LINUX\_RWSEM\_SPINLOCK\_H \*/

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

index 8ba1c32..aea704b 100644

--- a/include/linux/sctp.h

+++ b/include/linux/sctp.h

@@ -63,14 +63,12 @@ typedef struct sctphdr {

\_\_be32 checksum;

} \_\_attribute\_\_((packed)) sctp\_sctphdr\_t;

---#ifdef \_\_KERNEL\_\_

#include <linux/skbuff.h>

static inline struct sctphdr \*sctp\_hdr(const struct sk\_buff \*skb)

{

[PATCH] Pass two of removing "\_\_KERNEL\_\_" tests from unexported headers.

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```
return (struct sctphdr *)skb_transport_header(skb);
}
#endif

/* Section 3.2. Chunk Field Descriptions. */
typedef struct sctp_chunkhdr {
diff --git a/include/linux/skbuff.h b/include/linux/skbuff.h
index bbd8d00..98f395e 100644
--- a/include/linux/skbuff.h
+++ b/include/linux/skbuff.h
@@ -333,10 +333,6 @@ struct sk_buff {
atomic_t users;
};

#ifndef __KERNEL__
/*
- * Handling routines are only of interest to the kernel
- */
#include <linux/slab.h>

#include <asm/system.h>
@@ -1813,5 +1809,5 @@ static inline void skb_forward_csum(struct sk_buff *skb)
}

bool skb_partial_csum_set(struct sk_buff *skb, u16 start, u16 off);
#endif /* __KERNEL__ */
+
#endif /* _LINUX_SKBUFF_H */
diff --git a/include/linux/sony-laptop.h b/include/linux/sony-laptop.h
index e2e036d..ddf9402 100644
--- a/include/linux/sony-laptop.h
+++ b/include/linux/sony-laptop.h
@@ -3,8 +3,6 @@

#include <linux/types.h>

#ifndef __KERNEL__
-
/* used only for communication between v4l and sony-laptop */

#define SONY_PIC_COMMAND_GETCAMERA 1 /* obsolete */
@@ -29,6 +27,4 @@

int sony_pic_camera_command(int command, u8 value);

#endif /* __KERNEL__ */
-
#endif /* _SONYLAPTOP_H_ */
diff --git a/include/linux/swap.h b/include/linux/swap.h
index 878459a..8146202 100644
--- a/include/linux/swap.h
```

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```
+++ b/include/linux/swap.h
@@ -87,8 +87,6 @@ struct reclaim_state {
unsigned long reclaimed_slab;
};

-#ifdef __KERNEL__
-
struct address_space;
struct sysinfo;
struct writeback_control;
@@ -356,5 +354,4 @@ static inline swp_entry_t get_swap_page(void)
#define disable_swap_token() do { } while(0)

#endif /* CONFIG_SWAP */
-#endif /* __KERNEL__ */
#endif /* _LINUX_SWAP_H */
diff --git a/include/linux/thread_info.h b/include/linux/thread_info.h
index 421323e..bc3b75e 100644
--- a/include/linux/thread_info.h
+++ b/include/linux/thread_info.h
@@ -34,8 +34,6 @@ extern long do_no_restart_syscall(struct restart_block *parm);
#include <linux/bitops.h>
#include <asm/thread_info.h>

-#ifdef __KERNEL__
-
/*
 * flag set/clear/test wrappers
 * - pass TIF_xxxx constants to these functions
@@ -80,6 +78,4 @@ static inline int test_ti_thread_flag(struct thread_info *ti, int flag)
#define set_need_resched() set_thread_flag(TIF_NEED_RESCHED)
#define clear_need_resched() clear_thread_flag(TIF_NEED_RESCHED)

-#endif
-
#endif /* _LINUX_THREAD_INFO_H */
diff --git a/include/linux/trdevice.h b/include/linux/trdevice.h
index bfc84a7..2c95c49 100644
--- a/include/linux/trdevice.h
+++ b/include/linux/trdevice.h
@@ -27,11 +27,8 @@

#include <linux/if_tr.h>

-#ifdef __KERNEL__
extern __be16 tr_type_trans(struct sk_buff *skb, struct net_device *dev);
extern void tr_source_route(struct sk_buff *skb, struct trh_hdr *trh, struct net_device *dev);
extern struct net_device *alloc_trdev(int sizeof_priv);

-#endif
-
```

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```
#endif /* _LINUX_TRDEVICE_H */
diff --git a/include/linux/usb.h b/include/linux/usb.h
index 583e048..8273bdf 100644
--- a/include/linux/usb.h
+++ b/include/linux/usb.h
@@ -8,8 +8,6 @@
#define USB_DEVICE_MAJOR 189

-#ifdef __KERNEL__
-
#include <linux/errno.h> /* for -ENODEV */
#include <linux/delay.h> /* for mdelay() */
#include <linux/interrupt.h> /* for in_interrupt() */
@@ -1669,6 +1667,4 @@ extern void usb_unregister_notify(struct notifier_block *nb);
__FILE__ , ## arg)

-#endif /* __KERNEL__ */
-
#endif
diff --git a/include/linux/virtio_console.h b/include/linux/virtio_console.h
index ed2d4ea..c001782 100644
--- a/include/linux/virtio_console.h
+++ b/include/linux/virtio_console.h
@@ -5,8 +5,6 @@
/* The ID for virtio console */
#define VIRTIO_ID_CONSOLE 3

-#ifdef __KERNEL__
int __init virtio_cons_early_init(int (*put_chars)(u32, const char *, int));
-#endif /* __KERNEL__ */

#endif /* _LINUX_VIRTIO_CONSOLE_H */
diff --git a/include/linux/virtio_ring.h b/include/linux/virtio_ring.h
index abe481e..09d0282 100644
--- a/include/linux/virtio_ring.h
+++ b/include/linux/virtio_ring.h
@@ -109,7 +109,6 @@ static inline unsigned vring_size(unsigned int num, unsigned long pagesize)
+ sizeof(__u16) * 2 + sizeof(struct vring_used_elem) * num;
}

-#ifdef __KERNEL__
#include <linux/irqreturn.h>
struct virtio_device;
struct virtqueue;
@@ -122,5 +121,5 @@ struct virtqueue *vring_new_virtqueue(unsigned int num,
void vring_del_virtqueue(struct virtqueue *vq);

irqreturn_t vring_interrupt(int irq, void *_vq);
-#endif /* __KERNEL__ */
```

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```
+
#endif /* _LINUX_VIRTIO_RING_H */
diff --git a/include/linux/zorro.h b/include/linux/zorro.h
index 913bfc2..b7206f8 100644
--- a/include/linux/zorro.h
+++ b/include/linux/zorro.h
@@ -112,8 +112,6 @@ struct ConfigDev {

#define ZORRO_NUM_AUTO 16

-#ifdef __KERNEL__
-
#include <linux/init.h>
#include <linux/ioport.h>

@@ -248,7 +246,4 @@ extern DECLARE_BITMAP(zorro_unused_z2ram, 128);
#define Z2RAM_CHUNKMASK (0x0000ffff)
#define Z2RAM_CHUNKSHIFT (16)

-
-#endif /* __KERNEL__ */
-
#endif /* _LINUX_ZORRO_H */
```

---

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