

[2.6 patch] telephony/ixj.c cleanup

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-10/10120.html>

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To: linux-kernel@vger.kernel.org

The patch below does:

- remove ixj_register and ixj_unregister
these were EXPORT_SYMBOL'ed static (sic) functions
it seems the only reason why this "worked" was that there were exactly
zero users of them...
- remove four local variables that are after this removal no longer
required
- make five functions that were needlessly global static

diffstat output:

```
drivers/telephony/ixj.c | 105 +-----  
1 files changed, 5 insertions(+), 100 deletions(-)
```

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```
--- linux-2.6.10-rc1-mm2-full/drivers/telephony/ixj.c.old 2004-10-31 00:10:49.000000000 +0200  
+++ linux-2.6.10-rc1-mm2-full/drivers/telephony/ixj.c 2004-10-31 00:23:17.000000000 +0200  
@@ -406,14 +406,10 @@  
     return 0;  
 }
```

```
-static IXJ_REGFUNC ixj_DownloadG729 = &Stub;  
-static IXJ_REGFUNC ixj_DownloadTS85 = &Stub;  
static IXJ_REGFUNC ixj_PreRead = &Stub;  
static IXJ_REGFUNC ixj_PostRead = &Stub;  
static IXJ_REGFUNC ixj_PreWrite = &Stub;  
static IXJ_REGFUNC ixj_PostWrite = &Stub;  
-static IXJ_REGFUNC ixj_PreIoctl = &Stub;  
-static IXJ_REGFUNC ixj_PostIoctl = &Stub;
```

```
static void ixj_read_frame(IXJ *j);  
static void ixj_write_frame(IXJ *j);  
@@ -792,97 +788,6 @@  
     return 0;  
 }
```

```
-static int ixj_register(int index, IXJ_REGFUNC regfunc)
```

```

- {
- int cnt;
- int retval = 0;
- switch (index) {
- case G729LOADER:
- ixj_DownloadG729 = regfunc;
- for (cnt = 0; cnt < IXJMAX; cnt++) {
- IXJ *j = get_ixj(cnt);
- while(test_and_set_bit(cnt, (void *)&j->busyflags) != 0) {
- set_current_state(TASK_INTERRUPTIBLE);
- schedule_timeout(1);
- }
- ixj_DownloadG729(j, 0L);
- clear_bit(cnt, &j->busyflags);
- }
- break;
- case TS85LOADER:
- ixj_DownloadTS85 = regfunc;
- for (cnt = 0; cnt < IXJMAX; cnt++) {
- IXJ *j = get_ixj(cnt);
- while(test_and_set_bit(cnt, (void *)&j->busyflags) != 0) {
- set_current_state(TASK_INTERRUPTIBLE);
- schedule_timeout(1);
- }
- ixj_DownloadTS85(j, 0L);
- clear_bit(cnt, &j->busyflags);
- }
- break;
- case PRE_READ:
- ixj_PreRead = regfunc;
- break;
- case POST_READ:
- ixj_PostRead = regfunc;
- break;
- case PRE_WRITE:
- ixj_PreWrite = regfunc;
- break;
- case POST_WRITE:
- ixj_PostWrite = regfunc;
- break;
- case PRE_IOCTL:
- ixj_PreIoctl = regfunc;
- break;
- case POST_IOCTL:
- ixj_PostIoctl = regfunc;
- break;
- default:
- retval = 1;
- }
- return retval;
- }

```

```

-
-EXPORT_SYMBOL(ixj_register);
-
-static int ixj_unregister(int index)
-{
- int retval = 0;
- switch (index) {
- case G729LOADER:
- ixj_DownloadG729 = &Stub;
- break;
- case TS85LOADER:
- ixj_DownloadTS85 = &Stub;
- break;
- case PRE_READ:
- ixj_PreRead = &Stub;
- break;
- case POST_READ:
- ixj_PostRead = &Stub;
- break;
- case PRE_WRITE:
- ixj_PreWrite = &Stub;
- break;
- case POST_WRITE:
- ixj_PostWrite = &Stub;
- break;
- case PRE_IOCTL:
- ixj_PreIoctl = &Stub;
- break;
- case POST_IOCTL:
- ixj_PostIoctl = &Stub;
- break;
- default:
- retval = 1;
- }
- return retval;
-}
-
-EXPORT_SYMBOL(ixj_unregister);
-
-static void ixj_init_timer(IXJ *j)
{
    init_timer(&j->timer);
@@ -2257,7 +2162,7 @@
    return 0;
}

-int ixj_release(struct inode *inode, struct file *file_p)
+static int ixj_release(struct inode *inode, struct file *file_p)
{
    IXJ_TONE ti;
    int cnt;

```

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```
@@ -6785,7 +6690,7 @@  
    return fasync_helper(fd, file_p, mode, &j->async_queue);  
}
```

```
-struct file_operations ixj_fops =  
+static struct file_operations ixj_fops =  
{  
    .owner = THIS_MODULE,  
    .read = ixj_enhanced_read,  
@@ -7735,7 +7640,7 @@  
    return res;  
}
```

```
-int __init ixj_probe_isapnp(int *cnt)  
+static int __init ixj_probe_isapnp(int *cnt)  
{  
    int probe = 0;  
    int func = 0x110;  
@@ -7815,7 +7720,7 @@  
    return probe;  
}
```

```
-int __init ixj_probe_isa(int *cnt)  
+static int __init ixj_probe_isa(int *cnt)  
{  
    int i, probe;
```

```
@@ -7839,7 +7744,7 @@  
    return 0;  
}
```

```
-int __init ixj_probe_pci(int *cnt)  
+static int __init ixj_probe_pci(int *cnt)  
{  
    struct pci_dev *pci = NULL;  
    int i, probe = 0;
```

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