
Subject: [PATCH 7/15] Make ISDN CAPI use seq_list_xxx helpers

Posted by [xemul](#) on Fri, 18 May 2007 09:36:24 GMT

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The similar code exists here and is called capi_driver_get_idx().
Use generic helpers now and remember to convert list_head to
struct capi_driver in .show callback.

Signed-off-by: Pavel Emelianov <xemul@openvz.org>

```
diff --git a/drivers/isdn/capi/kcapi_proc.c b/drivers/isdn/capi/kcapi_proc.c
index 31f4fd8..845a797 100644
--- a/drivers/isdn/capi/kcapi_proc.c
+++ b/drivers/isdn/capi/kcapi_proc.c
@@ -243,36 +243,15 @@ create_seq_entry(char *name, mode_t mode
```

```
// -----
-
- static __inline__ struct capi_driver *capi_driver_get_idx(loff_t pos)
- {
-     struct capi_driver *drv = NULL;
-     struct list_head *l;
-     loff_t i;
-
-     i = 0;
-     list_for_each(l, &capi_drivers) {
-         drv = list_entry(l, struct capi_driver, list);
-         if (i++ == pos)
-             return drv;
-     }
-     return NULL;
- }
-
- static void *capi_driver_start(struct seq_file *seq, loff_t *pos)
- {
-     struct capi_driver *drv;
-     read_lock(&capi_drivers_list_lock);
-     drv = capi_driver_get_idx(*pos);
-     return drv;
+ return seq_list_start(&capi_drivers, *pos);
- }
-
- static void *capi_driver_next(struct seq_file *seq, void *v, loff_t *pos)
- {
-     struct capi_driver *drv = (struct capi_driver *)v;
```

```
- ++*pos;
- if (drv->list.next == &capi_drivers) return NULL;
- return list_entry(drv->list.next, struct capi_driver, list);
+ return seq_list_next(v, &capi_drivers, pos);
}

static void capi_driver_stop(struct seq_file *seq, void *v)
@@ -282,7 +261,8 @@ static void capi_driver_stop(struct seq_

static int capi_driver_show(struct seq_file *seq, void *v)
{
- struct capi_driver *drv = (struct capi_driver *)v;
+ struct capi_driver *drv = list_entry(v, struct capi_driver, list);
+
  seq_printf(seq, "%-32s %s\n", drv->name, drv->revision);
  return 0;
}
```
