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

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

[View Forum Message](#) <> [Reply to Message](#)

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;
}

```
