
Subject: [PATCH 0/15] Make common helpers for seq_files that work with list_head-s (v2)

Posted by [xemul](#) on Fri, 18 May 2007 09:11:28 GMT

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Many places in kernel use seq_file API to iterate over a regular list_head. The code for such iteration is identical in all the places, so it's worth introducing a common helpers.

This makes code about 300 lines smaller:

```
block/genhd.c          | 40 +++-----
crypto/proc.c          | 17 ---
drivers/char/misc.c     | 18 ----
drivers/input/input.c   | 29 -----
drivers/isdn/capi/kcapi_proc.c | 28 -----
fs/afs/proc.c          | 81 ++-----
fs/namespace.c         | 14 ---
fs/nfs/client.c        | 54 +-----
fs/proc/proc_tty.c     | 15 ---
fs/seq_file.c          | 34 +++++++
include/linux/seq_file.h | 11 ++
kernel/module.c        | 17 ---
mm/slab.c              | 28 +-----
net/atm/br2684.c       | 22 ----
net/core/sock.c        | 39 -----
net/ipv4/netfilter/nf_conntrack_l3proto_ipv4_compat.c | 27 -----
net/netfilter/nf_conntrack_expect.c | 27 -----
net/rxrpc/ar-proc.c    | 48 +-----
18 files changed, 126 insertions(+), 423 deletions(-)
```

The first version of this patch made the helper functions static inline in the seq_file.h header. This patch moves them to the fs/seq_file.c as Andrew proposed. The vmlinux .text section sizes are as follows:

```
2.6.22-rc1-mm1:      0x001794d5
with the previous version: 0x00179505
with this patch:     0x00179135
```

The config file used was make allnoconfig with the "y" inclusion of all the possible options to make the files modified by the patch compile plus drivers I have on the test node.
