Subject: [PATCH 0/6][NET-2.6.24] Consolidate private allocations in seq files
Posted by Pavel Emelianov on Tue, 09 Oct 2007 15:50:41 GMT

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Many (very many) seq files in net/ allocate some private data
to use it later (mostly for iteration state). All this code
was obviously get using copy-paste method, so move it into
one place.

Almost all of these places either set this private to 0, or
keep uninitialized. Some places, however, pre-initialize this
area, but there are few of them.

The seq_open_private() call just opens the seq file with
allocated and set to zero area. The __seq_open_private() call
makes the same, but returns the allocated memory to the called
to be initialized later.

I didn't measure how much of the .text section this saves,
but I suspect a lot of :) As far as the code is concerned,
this set saves ~450 lines.

Such thing may be useful for any subsystem, but I found this
mostly in the networking code and fixed only it (for a while).

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