

Re: Support for building individual .ko's would be nice :-)

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-04/4377.html>

From: Marc Singer (elf_at_buici.com)

Date: 04/20/04

Date: Tue, 20 Apr 2004 12:16:03 -0700

To: Pekka Pietikainen <pp@ee.oulu.fi>

On Tue, Apr 20, 2004 at 09:59:04PM +0300, Pekka Pietikainen wrote:

> *I was told you're the man to bug about this :-)*
>
> *Having a slow box, a vendor kernel (+ kernel-source package with config
> for it) and a need to modify one line of a module, recompile it,
> replace existing module with it and continue business as usual
> made me notice kbuild doesn't seem to have a facility for this.*
>
> *What would be nice is (say)*
>
> *cp configs/xxx-i686.config .config
> emacs drivers/media/dvb/frontends/ves1820.c
> make drivers/media/dvb/frontends/ves1820.ko
> cp ves1820.ko /lib/modules/...
> rmmod ves1820; modprobe ves1820*
>
> *Or am I missing something obvious that let me get just that one .ko
> without recompiling just about everything? (.o is easy, but that's
> not very useful :-)*

If you leave the compiled tree intact, all you need to do is modify the one source file and then "make modules". You'll wait a while the first time, but successive builds will be minimal.

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