

installing multiple kernels

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2004-04/0042.html>

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Currently, Makefile.inc1 will only install a single kernel. If KERNCONF specifies multiple kernel configs, they are all built, but only the first one is installed. This makes sense since otherwise the last one installed would simply clobber all the other ones.

The attached patch changes that. It modifies kern.pre.mk to install each kernel in /boot/<kernelname> instead of /boot/kernel. It also modifies Makefile.inc1 to build and install all kernel configs listed in KERNCONF. It also adds a script, sys/conf/regkernel.sh, which keeps a list of installed kernels in /boot/kernels, making sure that the last one installed is always listed last.

The only missing element is to make the loader read /boot/kernels and have \$kernel default to the last kernel listed there (i.e. the most recently installed) instead of "kernel". It would also be nice to offer a kernel selection menu for the CLI-impaired. Unfortunately, I'm afraid my forth skills aren't quite up to the task. Any takers?

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- text/x-patch attachment: [kernels.diff](#)