NAME

kldxref - generate hints for the kernel loader

SYNOPSIS

kldxref [**-Rdv**] [**-f** *hintsfile*] *path* ...

DESCRIPTION

The **kldxref** utility is used to generate hint files which list modules, their version numbers, and the files that contain them. These hints are used by the kernel loader to determine where to find a particular KLD module.

A separate hint file is generated for each directory listed on the command line that contains modules. If no hint records are generated for a particular directory, no hint file is created, and the preexisting hint file (if there was one in that directory) is removed.

kldxref ignores files with at least two "."s in the filename, such as *foo.ko.debug* or *bar.ko.pkgsave*. Note that this means that modules cannot have names such as *foo.bar.ko*. This limitation however, has been lived practice since the beginning of FreeBSD's kernel modules.

The following options are available:

-R   Recurse into subdirectories.

-d   Do not generate a hint file, but print module metadata on standard output.

-f *hintsfile*
         Specify a different name for the hints files than *linker.hints*.

-v   Operate in verbose mode.

EXAMPLES

To build hint files for both standard and add-on modules:

    kldxref /boot/kernel /boot/modules

To build hint files for all installed kernels:

    kldxref -R /boot

SEE ALSO

kld(4), kldconfig(8), kldload(8), kldstat(8), kldunload(8)

HISTORY

The **kldxref** utility first appeared in FreeBSD 5.0.

AUTHORS

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