NAME

kldconfig - display or modify the kernel module search path

SYNOPSIS

kldconfig [**-dfimnUv**] [**-S** *sysctlname*] [*path ...*]
kldconfig -r

DESCRIPTION

The **kldconfig** utility displays or modifies the search path used by the kernel when loading modules using the kldload(8) utility or the kldload(2) syscall.

The following options are available:

-d   Remove the specified paths from the module search path.

-f   Do not fail if a path specified for adding is already present in the search path, or if a path specified for removing is not present in the search path. This may be useful in startup/shutdown scripts for adding a path to a file system which is still not mounted, or in shutdown scripts for unconditionally removing a path that may have been added during startup.

-i   Add the specified paths to the beginning of the search path, not to the end. This option can only be used when adding paths.

-m   Instead of replacing the module search path with the set of paths specified, "merge" in the new entries.

-n   Do not actually change the module search path.

-r   Display the current search path. This option cannot be used if any paths are also specified.

-S *sysctlname*
           Specify the sysctl name to use instead of the default *kern.module_path*.

-U   "Unique-ify" the current search path - if any of the directories is repeated one or more times, only the first occurrence remains. This option implies **-m**.

-v   Verbose output: display the new module search path. If the path has been changed, and the **-v** flag is specified more than once, the old path is displayed as well.

FILES

/boot/kernel, */boot/modules*, */modules*
          The default module search path used by the kernel.

EXIT STATUS
     The **kldconfig** utility exits 0 on success, and >0 if an error occurs.

EXAMPLES
     Show the module search path

          $ kldconfig -r
          /boot/kernel;/boot/modules;/boot/dtb;/boot/dtb/overlays

     Try to delete the */boot* directory from the search path. The command will fail:

          $ kldconfig -d /boot
          kldconfig: not in module search path: /boot
          $ echo $?
          1

     Same as above but forcing the operation. This time the command will succeed:

          $ kldconfig -d -f /boot
          $ echo $?
          0

     Add the */boot* directory to the beginning of the search path and display extra verbose output:

          $ kldconfig -i -m -vv /boot
          /boot/kernel;/boot/modules -> /boot;/boot/kernel;/boot/modules

     Without **-m** the **-i** flag will overwrite the contents of the search path list:

          $ kldconfig -i -vv /boot
          /boot;/boot/kernel;/boot/modules;/boot/dtb;/boot/dtb/overlays -> /boot

     Same as above but using **-n** to simulate the operation without actually doing it:

          $ kldconfig -i -n -vv /boot
          /boot;/boot/kernel;/boot/modules;/boot/dtb;/boot/dtb/overlays -> /boot

Add directories to the search path removing duplicates. Note the need of **-f** to force the operation in case any of the directories is already in the search path. The */boot/kernel* directory will be added once:

    $ kldconfig -f -U /boot/kernel /boot/kernel /boot/modules /boot/dtb /boot/dtb/overlays

SEE ALSO
kldload(2), kldload(8), kldxref(8), sysctl(8)

HISTORY
The **kldconfig** utility first appeared in FreeBSD 4.4.

AUTHORS
Peter Pentchev *<roam@FreeBSD.org>*