

**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.

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