NAME

kldstat - get status of kld file

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <sys/param.h>
#include <sys/linker.h>

int
kldstat(*int fileid*, *struct kld_file_stat *stat*);

DESCRIPTION

The **kldstat**() system call writes the info for the file referred to by *fileid* into *stat*.

```
struct kld_file_stat {
        int      version;   /* set to sizeof(struct kld_file_stat) */
        char     name[MAXPATHLEN];
        int      refs;
        int      id;
        caddr_t  address;
        size_t   size;
        char     pathname[MAXPATHLEN];
};
```

version   This field is set to the size of the structure mentioned above by the code calling **kldstat**(), and not **kldstat**() itself.

name   The name of the file referred to by *fileid*.

refs   The number of modules referenced by *fileid*.

id   The id of the file specified in *fileid*.

address   The load address of the kld file.

size   The amount of memory in bytes allocated by the file.

pathname   The full name of the file referred to by *fileid*, including the path.

RETURN VALUES

The **kldstat**() function returns the value 0 if successful; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS

The information for the file referred to by *fileid* is filled into the structure pointed to by *stat* unless:

[ENOENT]   The file was not found (probably not loaded).

[EINVAL]   The version specified in the *version* field of stat is not the proper version. You would need to rebuild world, the kernel, or your application, if this error occurs, given that you did properly fill in the *version* field.

[EFAULT]   There was a problem copying one, some, or all of the fields into *stat* in the copyout(9) function.

SEE ALSO

kldfind(2), kldfirstmod(2), kldload(2), kldnext(2), kldsym(2), kldunload(2), modfind(2), modfnext(2), modnext(2), modstat(2), kld(4), kldstat(8)

HISTORY

The **kld** interface first appeared in FreeBSD 3.0.

BUGS

The pathname may not be accurate if the file system mounts have changed since the module was loaded, or if this function is called within a chrooted environment.