

NAME

ufs_disk_close, **ufs_disk_fillout**, **ufs_disk_fillout_blank**, **ufs_disk_write** - open and close userland UFS disks

LIBRARY

UFS File System Access Library (libufs, -lufs)

SYNOPSIS

```
#include <sys/param.h>
#include <sys/mount.h>
#include <ufs/ufs/ufsmount.h>
#include <ufs/ufs/dinode.h>
#include <ufs/ffs/fs.h>
#include <libufs.h>
```

int

```
ufs_disk_close(struct uufsd *disk);
```

int

```
ufs_disk_fillout(struct uufsd *disk, const char *name);
```

int

```
ufs_disk_fillout_blank(struct uufsd *disk, const char *name);
```

int

```
ufs_disk_write(struct uufsd *disk);
```

DESCRIPTION

The **ufs_disk_close**() function closes a disk and frees internal memory related to it. It does not free the *disk* structure.

The **ufs_disk_fillout**() and **ufs_disk_fillout_blank**() functions open a disk specified by *name* and populate the structure pointed to by *disk*. The disk is opened read-only. The specified *name* may be either a mountpoint, a device name or a filesystem image. The **ufs_disk_fillout**() function assumes there is a valid superblock and will fail if not, whereas the **ufs_disk_fillout_blank**() function makes no assumptions of that sort.

The **ufs_disk_write**() function attempts to re-open a disk as writable if it is not currently.

ERRORS

The function **ufs_disk_close()** has no failure points.

The function **ufs_disk_fillout()** may fail for any of the reasons **ufs_disk_fillout_blank()** might, as well as for any reason **sbread(3)** might.

The **ufs_disk_fillout_blank()** may fail and set *errno* for any of the errors specified for the library functions **open(2)**, **strdup(3)**. Additionally, it may follow the **libufs(3)** error methodologies in situations where no device could be found to open.

The function **ufs_disk_write()** may fail and set *errno* for any of the errors specified for the library functions **open(2)** and **stat(2)**. Namely, it will fail if the disk in question may not be written to.

SEE ALSO

open(2), **getfsfile(3)**, **libufs(3)**, **sbread(3)**

HISTORY

These functions first appeared as part of **libufs(3)** in FreeBSD 5.0.

AUTHORS

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