

**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.

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