

**NAME**

**getvfsbyname** - get information about a file system

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

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

```
#include <sys/mount.h>
```

```
int
```

```
getvfsbyname(const char *name, struct xvfsconf *vfc);
```

**DESCRIPTION**

The **getvfsbyname()** function provides access to information about a file system module that is configured in the kernel. If successful, the requested file system *xvfsconf* is returned in the location pointed to by *vfc*. The fields in a "struct xvfsconf" are defined as follows:

```
vfc_name    the name of the file system
vfc_tynenum
             the file system type number assigned by the kernel
vfc_refcount the number of active mount points using the file system
vfc_flags    flag bits, as described below
```

The flags are defined as follows:

```
VFCF_STATIC    statically compiled into kernel
VFCF_NETWORK   may get data over the network
VFCF_READONLY  writes are not implemented
VFCF_SYNTHETIC data does not represent real files
VFCF_LOOPBACK  aliases some other mounted FS
VFCF_UNICODE   stores file names as Unicode
VFCF_JAIL      can be mounted from within a jail if allow.mount and
                allow.mount.<vfc_name> jail parameters are set
VFCF_DELEGADMIN supports delegated administration if vfs.usermount sysctl is set to 1
```

**RETURN VALUES**

The **getvfsbyname()** 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 following errors may be reported:

[ENOENT]           The *name* argument specifies a file system that is unknown or not configured in the kernel.

**SEE ALSO**

jail(2), mount(2), sysctl(3), jail(8), mount(8), sysctl(8)

**HISTORY**

A variant of the `getvfsbyname()` function first appeared in FreeBSD 2.0.