

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_tenum     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 <i>name</i> argument specifies a file system that is unknown or not configured in the kernel.
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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.