



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sys_statvfs.h.0p' command

\$ man sys_statvfs.h.0p

sys_statvfs.h(0P) POSIX Programmer's Manual sys_statvfs.h(0P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

sys/statvfs.h ? VFS File System information structure

SYNOPSIS

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

DESCRIPTION

The <sys/statvfs.h> header shall define the `statvfs` structure, which shall include at least the following members:

`unsigned long f_bsize` File system block size.

`unsigned long f_frsize` Fundamental file system block size.

`fsblkcnt_t f_blocks` Total number of blocks on file system in units of `f_frsize`.

`fsblkcnt_t f_bfree` Total number of free blocks.

`fsblkcnt_t f_bavail` Number of free blocks available to non-privileged process.

`fsfilcnt_t f_files` Total number of file serial numbers.

`fsfilcnt_t f_ffree` Total number of free file serial numbers.

`fsfilcnt_t f_favail` Number of file serial numbers available to non-privileged process.

unsigned long f_fsid File system ID.

unsigned long f_flag Bit mask of f_flag values.

unsigned long f_namemax Maximum filename length.

The <sys/statvfs.h> header shall define the fsblkcnt_t and fsfilcnt_t types as described in <sys/types.h>.

The <sys/statvfs.h> header shall define the following symbolic constants for the f_flag member:

ST_RDONLY Read-only file system.

ST_NOSUID Does not support the semantics of the ST_ISUID and ST_ISGID file mode bits.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
int fstatvfs(int, struct statvfs *);
```

```
int statvfs(const char *restrict, struct statvfs *restrict);
```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

<sys_types.h>

The System Interfaces volume of POSIX.1?2017, fstatvfs()

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at <http://www.opengroup.org/unix/online.html> .

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