



Rocky Enterprise Linux 9.2 Manual Pages on command 'ustat.2'

\$ man ustat.2

USTAT(2) Linux Programmer's Manual USTAT(2)

NAME

ustat - get filesystem statistics

SYNOPSIS

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

#include <unistd.h> /* libc[45] */

#include <ustat.h> /* glibc2 */

int ustat(dev_t dev, struct ustat *ubuf);
```

DESCRIPTION

ustat() returns information about a mounted filesystem. dev is a device number identifying a device containing a mounted filesystem. ubuf is a pointer to a ustat structure that contains the following members:

```
daddr_t f_tfree; /* Total free blocks */

ino_t f_tinode; /* Number of free inodes */

char f_fname[6]; /* Filsys name */

char f_fpack[6]; /* Filsys pack name */
```

The last two fields, f_fname and f_fpack, are not implemented and will always be filled with null bytes ('\0').

RETURN VALUE

On success, zero is returned and the `ustat` structure pointed to by `ubuf` will be filled in. On error, -1 is returned, and `errno` is set appropriately.

ERRORS

`EFAULT` `ubuf` points outside of your accessible address space.

`EINVAL` `dev` does not refer to a device containing a mounted filesystem.

`ENOSYS` The mounted filesystem referenced by `dev` does not support this operation, or any version of Linux before 1.3.16.

VERSIONS

Since version 2.28, glibc no longer provides a wrapper for this system call.

CONFORMING TO

SVr4.

NOTES

`ustat()` is deprecated and has been provided only for compatibility.

All new programs should use `statfs(2)` instead.

HP-UX notes

The HP-UX version of the `ustat` structure has an additional field, `f_blksize`, that is unknown elsewhere. HP-UX warns: For some filesystems, the number of free inodes does not change. Such filesystems will return -1 in the field `f_tinode`. For some filesystems, inodes are dynamically allocated. Such filesystems will return the current number of free inodes.

SEE ALSO

`stat(2)`, `statfs(2)`

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.