

NAME

getbsize - get preferred block size

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <stdlib.h>
```

*char **

```
getbsize(int *headerlenp, long *blocksizep);
```

DESCRIPTION

The **getbsize()** function returns a preferred block size for reporting by system utilities **df(1)**, **du(1)** and **ls(1)**, based on the value of the **BLOCKSIZE** environment variable. **BLOCKSIZE** may be specified directly in bytes, or in multiples of a kilobyte by specifying a number followed by “K” or “k”, in multiples of a megabyte by specifying a number followed by “M” or “m” or in multiples of a gigabyte by specifying a number followed by “G” or “g”. Multiples must be integers.

Valid values of **BLOCKSIZE** are 512 bytes to 1 gigabyte. Sizes less than 512 bytes are rounded up to 512 bytes, and sizes greater than 1 GB are rounded down to 1 GB. In each case **getbsize()** produces a warning message via **warnx(3)**.

The **getbsize()** function returns a pointer to a null-terminated string describing the block size, something like "1K-blocks". The memory referenced by *headerlenp* is filled in with the length of the string (not including the terminating null). The memory referenced by *blocksizep* is filled in with block size, in bytes.

SEE ALSO

df(1), **du(1)**, **ls(1)**, **systat(1)**, **environ(7)**

HISTORY

The **getbsize()** function first appeared in 4.4BSD.