NAME

getloadavg − get system load averages

SYNOPSIS

#include <stdlib.h>

int getloadavg(double *loadavg[]***, int** *nelem***);**

Feature Test Macro Requirements for glibc (see **feature_test_macros**(7)):

getloadavg():
Since glibc 2.19:
_DEFAULT_SOURCE
In glibc up to and including 2.19:
_BSD_SOURCE

DESCRIPTION

The **getloadavg**() function returns the number of processes in the system run queue averaged over various periods of time. Up to *nelem* samples are retrieved and assigned to successive elements of *loadavg*[]. The system imposes a maximum of 3 samples, representing averages over the last 1, 5, and 15 minutes, respectively.

RETURN VALUE

If the load average was unobtainable, −1 is returned; otherwise, the number of samples actually retrieved is returned.

VERSIONS

This function is available in glibc since version 2.2.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
getloadavg()	Thread safety	MT-Safe

CONFORMING TO

Not in POSIX.1. Present on the BSDs and Solaris.

SEE ALSO

uptime(1), **proc**(5)

COLOPHON

This page is part of release 5.05 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/.