



Rocky Enterprise Linux 9.2 Manual Pages on command 'getloadavg.3'

\$ man getloadavg.3

GETLOADAVG(3) Linux Programmer's Manual GETLOADAVG(3)

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 at? tributes(7).

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?Interface ? Attribute ? Value ?

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?getloadavg() ? Thread safety ? MT-Safe ?

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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 5.10 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/>.

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