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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'getloadavg.3' command***

### ***\$ 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).

??

?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 5.10 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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