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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'timersub.3' command

\$ man timersub.3

TIMERADD(3) Linux Programmer's Manual TIMERADD(3) NAME timeradd, timersub, timercmp, timerclear, timerisset - timeval opera? tions **SYNOPSIS** #include <sys/time.h> void timeradd(struct timeval *a, struct timeval *b, struct timeval *res); void timersub(struct timeval *a, struct timeval *b, struct timeval *res); void timerclear(struct timeval *tvp); int timerisset(struct timeval *tvp); int timercmp(struct timeval *a, struct timeval *b, CMP); Feature Test Macro Requirements for glibc (see feature_test_macros(7)): All functions shown above: Since glibc 2.19: _DEFAULT_SOURCE Glibc 2.19 and earlier: _BSD_SOURCE

DESCRIPTION

The macros are provided to operate on timeval structures, defined in <sys/time.h> as: struct timeval {

```
time t
                  tv sec; /* seconds */
         suseconds t tv usec; /* microseconds */
      };
    timeradd() adds the time values in a and b, and places the sum in the
    timeval pointed to by res. The result is normalized such that
    res->tv_usec has a value in the range 0 to 999,999.
    timersub() subtracts the time value in b from the time value in a, and
    places the result in the timeval pointed to by res. The result is nor?
    malized such that res->tv usec has a value in the range 0 to 999,999.
    timerclear() zeros out the timeval structure pointed to by typ, so that
    it represents the Epoch: 1970-01-01 00:00:00 +0000 (UTC).
    timerisset() returns true (nonzero) if either field of the timeval
    structure pointed to by tvp contains a nonzero value.
    timercmp() compares the timer values in a and b using the comparison
    operator CMP, and returns true (nonzero) or false (0) depending on the
    result of the comparison. Some systems (but not Linux/glibc), have a
    broken timercmp() implementation, in which CMP of >=, <=, and == do not
    work; portable applications can instead use
      !timercmp(..., <)
      !timercmp(..., >)
      !timercmp(..., !=)
RETURN VALUE
    timerisset() and timercmp() return true (nonzero) or false (0).
ERRORS
    No errors are defined.
CONFORMING TO
    Not in POSIX.1. Present on most BSD derivatives.
SEE ALSO
    gettimeofday(2), time(7)
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
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this page, can be found at

latest

version

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