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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'ntp\_gettime.3'***

***\$ man ntp\_gettime.3***

NTP\_GETTIME(3)          Linux Programmer's Manual          NTP\_GETTIME(3)

NAME

ntp\_gettime, ntp\_gettimex - get time parameters (NTP daemon interface)

SYNOPSIS

```
#include <sys/timex.h>

int ntp_gettime(struct ntptimeval *ntv);

int ntp_gettimex(struct ntptimeval *ntv);
```

DESCRIPTION

Both of these APIs return information to the caller via the ntv argument, a structure of the following type:

```
struct ntptimeval {
    struct timeval time; /* Current time */
    long maxerror; /* Maximum error */
    long esterror; /* Estimated error */
    long tai; /* TAI offset */
    /* Further padding bytes allowing for future expansion */
};
```

The fields of this structure are as follows:



?ntp\_gettime(), ntp\_gettimex() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

ntp\_gettime() is described in the NTP Kernel Application Program Inter-  
face. ntp\_gettimex() is a GNU extension.

SEE ALSO

adjtimex(2), ntp\_adjtime(3), time(7)

NTP "Kernel Application Program Interface"

?[http://www.slac.stanford.edu/comp/unix/package/rtems/src/ssrIApps/  
ntpNanoclock/api.htm?](http://www.slac.stanford.edu/comp/unix/package/rtems/src/ssrIApps/ntpNanoclock/api.htm)

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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