



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

***\$ man gettimeofday.3p***

GETTIMEOFDAY(3P)      POSIX Programmer's Manual      GETTIMEOFDAY(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

gettimeofday ? get the date and time

### SYNOPSIS

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

int gettimeofday(struct timeval *restrict tp, void *restrict tzp);
```

### DESCRIPTION

The gettimeofday() function shall obtain the current time, expressed as seconds and microseconds since the Epoch, and store it in the timeval structure pointed to by tp. The resolution of the system clock is unspecified.

If tzp is not a null pointer, the behavior is unspecified.

### RETURN VALUE

The gettimeofday() function shall return 0 and no value shall be reserved to indicate an error.

### ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

Applications should use the `clock_gettime()` function instead of the obsolete `gettimeofday()` function.

## RATIONALE

None.

## FUTURE DIRECTIONS

The `gettimeofday()` function may be removed in a future version.

## SEE ALSO

`clock_getres()`, `ctime()`

The Base Definitions volume of POSIX.1-2017, `<sys_time.h>`

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