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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'utmpx.h.0p' command

$ man utmpx.h.0p

utmpx.h(0P) POSIX Programmer's Manual utmpx.h(0P)

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

utmpx.h ? user accounting database definitions

SYNOPSIS

#include <utmpx.h>

DESCRIPTION

The <utmpx.h> header shall define the utmpx structure that shall in? clude at least the following members:

char	ut_user[]	User login name.
char	ut_id[]	Unspecified initialization process identifier.
char	ut_line[]	Device name.
pid_t	ut_pid	Process ID.
short	ut_type	Type of entry.
struct timeval	ut_tv	Time entry was made.

The <utmpx.h> header shall define the pid_t type through typedef, as described in <sys/types.h>.

The <utmpx.h> header shall define the timeval structure as described in <sys/time.h>.

Inclusion of the <utmpx.h> header may also make visible all symbols from <sys/time.h>.

The <utmpx.h> header shall define the following symbolic constants as possible values for the ut_type member of the utmpx structure:

EMPTY No valid user accounting information.

BOOT_TIME Identifies time of system boot.

OLD_TIME Identifies time when system clock changed.

NEW_TIME Identifies time after system clock changed.

USER_PROCESS Identifies a process.

INIT_PROCESS Identifies a process spawned by the init process.

LOGIN_PROCESS Identifies the session leader of a logged-in user.

DEAD_PROCESS Identifies a session leader who has exited.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
void        endutxent(void);
struct utmpx *getutxent(void);
struct utmpx *getutxid(const struct utmpx *);
struct utmpx *getutxline(const struct utmpx *);
struct utmpx *pututxline(const struct utmpx *);
void        setutxent(void);
```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

<sys_time.h>, <sys_types.h>

The System Interfaces volume of POSIX.1?2017, endutxent()

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table Operating System Interface (POSIX), The Open Group Base Specifi? cations Issue 7, 2018 Edition, Copyright (C) 2018 by the Institute of Electrical and Electronics Engineers, Inc and The Open Group. In the event of any discrepancy between this version and the original IEEE and The Open Group Standard, the original IEEE and The Open Group Standard is the referee document. The original Standard can be obtained online at http://www.opengroup.org/unix/online.html .

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