NAME

utmp, wtmp – utmp and wtmp entry formats

SYNOPSIS

#include <utmp.h>

DESCRIPTION

utmp and **wtmp** hold user and accounting information for commands such as **who**, **write**, and **login**. These files have the following structure, defined in **<utmp.h>**:

```
#define    UTMP_FILE                  "/var/adm/utmp"
#define    WTMP_FILE                  "/var/adm/wtmp"
#define    ut_name                    ut_user

struct utmp {
           char  ut_user[8];          /* user login name */
           char  ut_id[4];            /* /sbin/inittab id (created by */
                                      /* process that puts entry in utmp) */
           char  ut_line[12];         /* device name (console, lnxx) */
           short ut_pid;              /* process id */
           short ut_type;             /* type of entry */
           struct exit_status {
                 short e_termination; /* process termination status */
                 short e_exit;        /* process exit status */
           } ut_exit;                 /* exit status of a process
                                      /* marked as DEAD_PROCESS */
           time_t ut_time;            /* time entry was made */
};
/*  Definitions for ut_type  */
#define    EMPTY          0
#define    RUN_LVL        1
#define    BOOT_TIME      2
#define    OLD_TIME       3
#define    NEW_TIME       4
#define    INIT_PROCESS             5/* process spawned by "init" */
#define    LOGIN_PROCESS            6/* a "getty" process waiting for login */
#define    USER_PROCESS             7/* a user process */
#define    DEAD_PROCESS             8
#define    ACCOUNTING 9
#define    UTMAXTYPE    ACCOUNTING/* max legal value of ut_type */
/*  Below are special strings or formats used in the "ut_line"  */
/*  field when  accounting for something other than a process.  */
/*  No string for the ut_line field can be more than 11 chars + */
/*  a null character in length.  */
#define    RUNLVL_MSG "run–level %c"
#define    BOOT_MSG     "system boot"
#define    OTIME_MSG    "old time"
#define    NTIME_MSG    "new time"
```

FILES

/var/adm/utmp
/var/adm/wtmp

SEE ALSO

login(1), **who**(1), **write**(1)