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7: /* The copyright notice above does not evidence any actual or */
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9:
10: #ident "@(#)sgs-head:common/head/utmpx.h 1.5"
11:
12: /*****
13:
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15:
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29: (c) 1986,1987,1988,1989 Sun Microsystems, Inc
30: (c) 1983,1984,1985,1986,1987,1988,1989 AT&T.
31: All rights reserved.
32: *****/
33:
34: #ifndef _UTMPX_H
35: #define _UTMPX_H
36:
37: #include <sys/types.h>
38: #include <sys/time.h>
39: #include <utmp.h>
40:
41: #define UTMPX_FILE "/var/adm/utmpx"
42: #define WTMPX_FILE "/var/adm/wtmpx"
43:
44: #define ut_name ut_user
45: #define ut_xtime ut_tv.tv_sec
46:
47: struct utmpx
48: {
49:     char ut_user[32]; /* user login name */
50:     char ut_id[4]; /* inittab id */
51:     char ut_line[32]; /* device name (console, lnxx) */
52:     pid_t ut_pid; /* process id */
53:     short ut_type; /* type of entry */
54:     struct exit_status ut_exit; /* process termination/exit status */
55:     struct timeval ut_tv; /* time entry was made */
56:     long ut_session; /* session ID, used for windowing */
57:     long pad[5]; /* reserved for future use */
58:     short ut_syslen; /* significant length of ut_host */
59:     /* including terminating null */
60:     char ut_host[257]; /* remote host name */
61: };
62:
63: #if 0 /* already defined in utmp.h included above */
64: /* Definitions for ut_type */
65:
66: #define EMPTY 0
67: #define RUN_LVL 1
68: #define BOOT_TIME 2
69: #define OLD_TIME 3
70: #define NEW_TIME 4
71: #define INIT_PROCESS 5 /* Process spawned by "init" */
72: #define LOGIN_PROCESS 6 /* A "getty" process waiting for login */
73: #define USER_PROCESS 7 /* A user process */
74: #define DEAD_PROCESS 8
75: #define ACCOUNTING 9
76:
77: #define UTMXTYPE ACCOUNTING /* Largest legal value of ut_type */
...

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1: /* Structures and definitions for the user accounting database. GNU version.
2: Copyright (C) 1997, 1998, 2000, 2001 Free Software Foundation, Inc.
3: This file is part of the GNU C Library.
4:
...
37:
38: /* The structure describing the status of a terminated process. This
39: type is used in 'struct utmpx' below. */
40: struct __exit_status
41: {
42: #ifdef __USE_GNU
43:     short int e_termination; /* Process termination status. */
44:     short int e_exit; /* Process exit status. */
45: #else
46:     short int __e_termination; /* Process termination status. */
47:     short int __e_exit; /* Process exit status. */
48: #endif
49: };
50:
51:
52: /* The structure describing an entry in the user accounting database. */
53: struct utmpx
54: {
55:     short int ut_type; /* Type of login. */
56:     __pid_t ut_pid; /* Process ID of login process. */
57:     char ut_line[__UT_LINESIZE]; /* Devicename. */
58:     char ut_id[4]; /* Inittab ID. */
59:     char ut_user[__UT_NAMESIZE]; /* Username. */
60:     char ut_host[__UT_HOSTSIZE]; /* Hostname for remote login. */
61:     struct __exit_status ut_exit; /* Exit status of a process marked
62: as DEAD_PROCESS. */
63:     long int ut_session; /* Session ID, used for windowing. */
64:     struct timeval ut_tv; /* Time entry was made. */
65:     __int32_t ut_addr_v6[4]; /* Internet address of remote host. */
66:     char __unused[20]; /* Reserved for future use. */
67: };
68:
69:
70: /* Values for the 'ut_type' field of a 'struct utmpx'. */
71: #define EMPTY 0 /* No valid user accounting information. */
72:
73: #ifdef __USE_GNU
74: #define RUN_LVL 1 /* The system's runlevel. */
75: #endif
76: #define BOOT_TIME 2 /* Time of system boot. */
77: #define NEW_TIME 3 /* Time after system clock changed. */
78: #define OLD_TIME 4 /* Time when system clock changed. */
79:
80: #define INIT_PROCESS 5 /* Process spawned by the init process. */
81: #define LOGIN_PROCESS 6 /* Session leader of a logged in user. */
82: #define USER_PROCESS 7 /* Normal process. */
83: #define DEAD_PROCESS 8 /* Terminated process. */
84:
85: #ifdef __USE_GNU
86: #define ACCOUNTING 9 /* System accounting. */
87: #endif

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| <pre>121: #endif /* _UTMPX_H */</pre> | |
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