NAME

getauusernam, getauuserent, setauuser, endauuser – get audit_user entry

SYNOPSIS

cc [*flag* ...] *file* ... **–lbsm –lsocket –lnsl –lintl** [*library* ...]

```
#include <sys/param.h>
#include <bsm/libbsm.h>

struct au_user_ent *getauusernam(const char *name);

struct au_user_ent *getauuserent(void);

void setauuser(void);

void endauuser(void);

struct au_user_ent *getauusernam_r(au_user_ent * u, const char *name);

struct au_user_ent *getauuserent_r(au_user_ent *u);
```

AVAILABILITY

The functionality described in this man page is available only if the Basic Security Module (BSM) has been enabled. See **bsmconv**(1M) for more information.

MT-LEVEL

MT-Safe with exceptions.

The functions **getauusernam( )** and **getauuserent( )** are not MT-safe. However, the functions **getauusernam_r( )** and **getauuserent_r( ) provide the same functionality with** MT-Safe interfaces.

DESCRIPTION

getauuserent( ) , getauusernam( ) , getauuserent_r( ) , and **getauusernam_r( )** each return an audit_user entry.

getauusernam( ) and **getauusernam_r( )** searche for an audit_user entry with a given login name *name.*

getauuserent( ) and **getauuserent_r( )** enumerate audit_user entries: successive calls to these functions will return either successive audit_user entries or **NULL**.

setauuser( ) ''rewinds'' to the beginning of the enumeration of audit_user entries. Calls to **getauusernam( )** and **getauusernam_r( )** may leave the enumeration in an indeterminate state, so **setauuser( )** should be called before the first **getauuserent( )** or **getauuserent_r( ) .**

endauuser( ) may be called to indicate that audit_user processing is complete; the system may then close any open audit_user file, deallocate storage, and so forth.

The two functions **getauuserent_r( )** and **getauusernam_r( )** both take an argument *u ,* which is a pointer to an au_user_ent. This is the pointer that is returned on successful function calls.

The internal representation of an audit_user entry is an **au_user_ent** structure defined in **<bsm/libbsm.h>** with the following members:

```
char        *au_name;
au_mask_t   au_always;
au_mask_t   au_never;
```

RETURN VALUES

getauusernam( ) returns a pointer to a **struct au_user_ent** if it successfully locates the requested entry; otherwise it returns **NULL**.

getauuserent( ) returns a pointer to a **struct au_user_ent** if it successfully enumerates an entry; otherwise it returns **NULL**. indicating the end of the enumeration.

FILES

/etc/security/audit_user	Stores per-user audit event mask
/etc/passwd	Stores user-id to username mappings

SEE ALSO

bsmconv(1M), **getpwnam**(3C), **audit_user**(4), **passwd**(4)

NOTES

All information for the functions **getauuserent( )** and **getauusernam( )** is contained in a static area, so it must be copied if it is to be saved.