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_t * u, const char *name);

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

DESCRIPTION

The **getauuserent( )**, **getauusernam( )**, **getauuserent_r( )**, and **getauusernam_r( )** functions each return an **audit_user** entry. Entries can come from any of the sources specified in the **/etc/nsswitch.conf** file (see **nsswitch.conf**(4)).

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

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

The **setauuser( )** function "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 call to **getauuserent( )** or **getauuserent_r( )**.

The **endauuser( )** function 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 **getauuserent_r( )** and **getauusernam_r( )** functions 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

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

The **getauuserent( )** function 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.

USAGE

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

FILES

/etc/nsswitch.conf	stores configuration file lookup information for the name server switch
/etc/passwd	stores user-id to username mappings
/etc/security/audit_user	stores per-user audit event mask

ATTRIBUTES

See **attributes**(5) for descriptions of the following attributes:

ATTRIBUTE TYPE	ATTRIBUTE VALUE
MT-Level	MT-Safe with exceptions.

SEE ALSO

bsmconv(1M), **getpwnam**(3C), **audit_user**(4), **nsswitch.conf**(4), **passwd**(4), **attributes**(5)

NOTES

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

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