

**NAME**

**au\_free\_token** - deallocate a token\_t created by any of the au\_to\_\*( ) BSM API functions

**LIBRARY**

Basic Security Module Library (libbsm, -lbsm)

**SYNOPSIS**

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

```
void
```

```
au_free_token(token_t *tok);
```

**DESCRIPTION**

The BSM API generally manages deallocation of *token\_t* objects. However, if `au_write(3)` is passed a bad audit descriptor, the *token\_t* \* parameter will be left untouched. In that case, the caller can deallocate the *token\_t* using **au\_free\_token()** if desired.

The *tok* argument is a *token\_t* \* generated by one of the **au\_to\_\*( )** BSM API calls. For convenience, *tok* may be NULL, in which case **au\_free\_token()** returns immediately.

**IMPLEMENTATION NOTES**

This is, in fact, what `audit_write(3)` does, in keeping with the existing memory management model of the BSM API.

**SEE ALSO**

`au_write(3)`, `audit_write(3)`, `libbsm(3)`

**HISTORY**

The OpenBSM implementation was created by McAfee Research, the security division of McAfee Inc., under contract to Apple Computer, Inc., in 2004. It was subsequently adopted by the TrustedBSD Project as the foundation for the OpenBSM distribution.

**AUTHORS**

This software was created by Robert Watson, Wayne Salamon, and Suresh Krishnaswamy for McAfee Research, the security research division of McAfee, Inc., under contract to Apple Computer, Inc.

The Basic Security Module (BSM) interface to audit records and audit event stream format were defined by Sun Microsystems.