

NAME

gss_process_context_token - Process a token on a security context from a peer application

SYNOPSIS

```
#include <gssapi/gssapi.h>
```

OM_uint32

```
gss_process_context_token(OM_uint32 *minor_status, const gss_ctx_id_t context_handle,  
const gss_buffer_t token_buffer);
```

DESCRIPTION

Provides a way to pass an asynchronous token to the security service. Most context-level tokens are emitted and processed synchronously by **gss_init_sec_context()** and **gss_accept_sec_context()**, and the application is informed as to whether further tokens are expected by the **GSS_C_CONTINUE_NEEDED** major status bit. Occasionally, a mechanism may need to emit a context-level token at a point when the peer entity is not expecting a token. For example, the initiator's final call to **gss_init_sec_context()** may emit a token and return a status of **GSS_S_COMPLETE**, but the acceptor's call to **gss_accept_sec_context()** may fail. The acceptor's mechanism may wish to send a token containing an error indication to the initiator, but the initiator is not expecting a token at this point, believing that the context is fully established. **gss_process_context_token()** provides a way to pass such a token to the mechanism at any time.

PARAMETERS

minor_status Mechanism specific status code.

context_handle Context handle of context on which token is to be processed.

token_buffer Token to process.

RETURN VALUES

GSS_S_COMPLETE Successful completion

GSS_S_DEFECTIVE_TOKEN Indicates that consistency checks performed on the token failed

GSS_S_NO_CONTEXT The *context_handle* did not refer to a valid context

SEE ALSO

gss_accept_sec_context(3), **gss_init_sec_context(3)**

STANDARDS

RFC 2743 Generic Security Service Application Program Interface Version 2, Update 1

RFC 2744 Generic Security Service API Version 2 : C-bindings

HISTORY

The `gss_process_context_token` function first appeared in FreeBSD 7.0.

AUTHORS

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