

**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

John Wray, Iris Associates

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