NAME

```
gss_display_status - Convert a GSS-API status code to text
```

SYNOPSIS

DESCRIPTION

Allows an application to obtain a textual representation of a GSS-API status code, for display to the user or for logging purposes. Since some status values may indicate multiple conditions, applications may need to call <code>gss_display_status()</code> multiple times, each call generating a single text string. The <code>message_context</code> parameter is used by <code>gss_display_status()</code> to store state information about which error messages have already been extracted from a given <code>status_value</code>; <code>message_context</code> must be initialized to zero by the application prior to the first call, and <code>gss_display_status()</code> will return a non-zero value in this parameter if there are further messages to extract.

The *message_context* parameter contains all state information required by **gss_display_status**() in order to extract further messages from the *status_value*; even when a non-zero value is returned in this parameter, the application is not required to call **gss_display_status**() again unless subsequent messages are desired. The following code extracts all messages from a given status code and prints them to stderr:

```
GSS_C_NO_OID,
&message_context,
&status_string)
```

```
fprintf(stderr,
```

PARAMETERS

minor_status Mechanism specific status code.

status_value Status value to be converted

status_type

GSS_C_GSS_CODE status_value is a GSS status code

GSS_C_MECH_CODE status_value is a mechanism status code

mech_type Underlying mechanism (used to interpret a minor status value). Supply GSS_C_NO_OID to obtain the system default.

message_context

Should be initialized to zero by the application prior to the first call. On return from **gss_display_status**(), a non-zero status_value parameter indicates that additional messages may be extracted from the status code via subsequent calls to **gss_display_status**(), passing the same *status_value*, *status_type*, *mech_type*, and *message_context* parameters.

status_string Textual interpretation of the *status_value*. Storage associated with this parameter must be freed by the application after use with a call to **gss_release_buffer**().

RETURN VALUES

GSS_S_COMPLETE Successful completion

GSS_S_BAD_MECH Indicates that translation in accordance with an unsupported mechanism type

was requested

GSS_S_BAD_STATUS The status value was not recognized, or the status type was neither GSS_C_GSS_CODE nor GSS_C_MECH_CODE.

SEE ALSO

gss_release_buffer(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_display_status** function first appeared in FreeBSD 7.0.

AUTHORS

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