

globus gssapi gsi Reference Manual

7.5

Generated by Doxygen 1.4.4

Thu Apr 22 12:05:16 2010

Contents

1 globus gssapi gsi Module Index	1
2 globus gssapi gsi Directory Hierarchy	1
3 globus gssapi gsi Page Index	1
4 globus gssapi gsi Module Documentation	2
5 globus gssapi gsi Directory Documentation	4
6 globus gssapi gsi Page Documentation	5

1 globus gssapi gsi Module Index

1.1 globus gssapi gsi Modules

Here is a list of all modules:

Functions for manipulating a buffer set	2
GSI GSS-API Constants	2
Activation	2
GSS Req Flags	2
GSS Ret Flags	3

2 globus gssapi gsi Directory Hierarchy

2.1 globus gssapi gsi Directories

This directory hierarchy is sorted roughly, but not completely, alphabetically:

library	4
-------------------------	-------------------

3 globus gssapi gsi Page Index

3.1 globus gssapi gsi Related Pages

Here is a list of all related documentation pages:

Deprecated List	5
---------------------------------	-------------------

4 globus gssapi gsi Module Documentation

4.1 Functions for manipulating a buffer set

4.2 GSI GSS-API Constants

4.3 Activation

Globus GSI GSSAPI uses standard Globus module activation and deactivation.

Defines

- #define [GLOBUS_GSI_GSSAPI_MODULE](#)

4.3.1 Detailed Description

Globus GSI GSSAPI uses standard Globus module activation and deactivation.

Before any Globus GSI GSSAPI functions are called, the following function should be called:

```
globus_module_activate(GLOBUS_GSI_GSSAPI_MODULE)
```

This function returns `GLOBUS_SUCCESS` if Globus GSI GSSAPI was successfully initialized, and you are therefore allowed to subsequently call Globus GSI GSSAPI functions. Otherwise, an error code is returned, and Globus GSI GSSAPI functions should not subsequently be called. This function may be called multiple times.

To deactivate Globus GSI GSSAPI, the following function should be called:

```
globus_module_deactivate(GLOBUS_GSI_GSSAPI_MODULE)
```

This function should be called once for each time Globus GSI GSSAPI was activated.

Note that it is not mandatory to call the above functions.

4.3.2 Define Documentation

4.3.2.1 #define GLOBUS_GSI_GSSAPI_MODULE

Module descriptor.

4.4 GSS Req Flags

These macros set the REQUESTED type of context - these should be set (or not) in the context's req_flags (or in the context's ret_flags if accept_sec_context is being called).

Defines

- #define [GSS_C_GLOBUS_DONT_ACCEPT_LIMITED_PROXY_FLAG](#) 8192
- #define [GSS_C_GLOBUS_DELEGATE_LIMITED_PROXY_FLAG](#) 4096
- #define [GSS_C_GLOBUS_ACCEPT_PROXY_SIGNED_BY_LIMITED_PROXY_FLAG](#) 32768

4.4.1 Detailed Description

These macros set the REQUESTED type of context - these should be set (or not) in the context's req_flags (or in the context's ret_flags if accept_sec_context is being called).

4.4.2 Define Documentation

4.4.2.1 #define GSS_C_GLOBUS_DONT_ACCEPT_LIMITED_PROXY_FLAG 8192

Set if you don't want a context to accept a limited proxy.

If this flag is set, and a limited proxy is received, the call will not be successful and the context will not be set up

4.4.2.2 #define GSS_C_GLOBUS_DELEGATE_LIMITED_PROXY_FLAG 4096

Set if you want the delegated proxy to be a limited proxy.

4.4.2.3 #define GSS_C_GLOBUS_ACCEPT_PROXY_SIGNED_BY_LIMITED_PROXY_FLAG 32768

Set if you want to accept proxies signed by limited proxies.

Deprecated

We now accept proxies signed by limited proxies if they are limited or independent.

4.5 GSS Ret Flags

These macros set the RETURNED context type - these will be set (or not) in the context's ret_flags.

Defines

- #define GSS_C_GLOBUS_RECEIVED_LIMITED_PROXY_FLAG 8192
- #define GSS_C_GLOBUS_RECEIVED_LIMITED_PROXY_DURING_DELEGATION_FLAG 4096

4.5.1 Detailed Description

These macros set the RETURNED context type - these will be set (or not) in the context's ret_flags.

4.5.2 Define Documentation

4.5.2.1 #define GSS_C_GLOBUS_RECEIVED_LIMITED_PROXY_FLAG 8192

If the proxy received is a limited proxy, this flag will be set in the returned context flags (ret_flags).

4.5.2.2 #define GSS_C_GLOBUS_RECEIVED_LIMITED_PROXY_DURING_DELEGATION_FLAG 4096

If the proxy received is a limited proxy received during delegation, this flag is set in the returned flags.

5 globus_gssapi_gsi Directory Documentation

5.1 /builddir/build/BUILD/globus_gssapi_gsi-7.5/library/ Directory Reference

library

Files

- file `accept_delegation.c`
- file `accept_sec_context.c`
- file `acquire_cred.c`
- file `buffer_set.c`
- file `certdump.c`
- file `compare_name.c`
- file `delete_sec_context.c`
- file `display_name.c`
- file `display_status.c`
- file `duplicate_name.c`
- file `export_cred.c`
- file `export_name.c`
- file `export_sec_context.c`
- file `get_group.c`
- file `get_mic.c`
- file `globus_gsi_gss_constants.h`
- file `globus_gsi_gss_error.c`
- file `globus_i_gsi_gss_utils.c`
- file `globus_i_gsi_gss_utils.h`
- file `globus_ssl_locl.h`
- file `gsigss_conv.c`
- file `gss_mech_choose.c`
- file `gssapi.h`
- file `gssapi_openssl.h`
- file `gssapi_stubs.c`
- file `gssapi_working.c`
- file `import_cred.c`
- file `import_name.c`
- file `import_sec_context.c`
- file `init_delegation.c`
- file `init_sec_context.c`
- file `inquire_context.c`
- file `inquire_cred.c`
- file `inquire_cred_by_oid.c`
- file `inquire_names_for_mech.c`
- file `inquire_sec_context_by_oid.c`
- file `module.c`
- file `oid_functions.c`
- file `release_buffer.c`
- file `release_cred.c`
- file `release_name.c`

- file `scload.c`
- file `set_group.c`
- file `set_sec_context_option.c`
- file `unwrap.c`
- file `verify_mic.c`
- file `winglue.c`
- file `winglue.h`
- file `wrap.c`

6 globus gssapi gsi Page Documentation

6.1 Deprecated List

Global [GSS_C_GLOBUS_ACCEPT_PROXY_SIGNED_BY_LIMITED_PROXY_FLAG](#) We now accept proxies signed by limited proxies if they are limited or independent.

Index

/builddir/build/BUILD/globus_gssapi_gsi-7.5/library/
Directory Reference, [4](#)

Activation, [2](#)

Functions for manipulating a buffer set, [2](#)

globus_gsi_gss_requested_context_flags
 GSS_C_GLOBUS_ACCEPT_PROXY_-
 SIGNED_BY_LIMITED_PROXY_FLAG,
 [3](#)
 GSS_C_GLOBUS_DELEGATE_LIMITED_-
 PROXY_FLAG, [3](#)
 GSS_C_GLOBUS_DONT_ACCEPT_-
 LIMITED_PROXY_FLAG, [3](#)
globus_gsi_gss_returned_context_flags
 GSS_C_GLOBUS_RECEIVED_LIMITED_-
 PROXY_DURING_DELEGATION_FLAG,
 [3](#)
 GSS_C_GLOBUS_RECEIVED_LIMITED_-
 PROXY_FLAG, [3](#)
globus_gsi_gssapi_activation
 GLOBUS_GSI_GSSAPI_MODULE, [2](#)
GLOBUS_GSI_GSSAPI_MODULE
 globus_gsi_gssapi_activation, [2](#)
GSI GSS-API Constants, [2](#)
GSS Req Flags, [2](#)
GSS Ret Flags, [3](#)
GSS_C_GLOBUS_ACCEPT_PROXY_SIGNED_-
 BY_LIMITED_PROXY_FLAG
 globus_gsi_gss_requested_context_flags, [3](#)
GSS_C_GLOBUS_DELEGATE_LIMITED_-
 PROXY_FLAG
 globus_gsi_gss_requested_context_flags, [3](#)
GSS_C_GLOBUS_DONT_ACCEPT_LIMITED_-
 PROXY_FLAG
 globus_gsi_gss_requested_context_flags, [3](#)
GSS_C_GLOBUS_RECEIVED_LIMITED_-
 PROXY_DURING_DELEGATION_FLAG
 globus_gsi_gss_returned_context_flags, [3](#)
GSS_C_GLOBUS_RECEIVED_LIMITED_-
 PROXY_FLAG
 globus_gsi_gss_returned_context_flags, [3](#)