

# globus gssapi gsi Reference Manual

## 5.9

Generated by Doxygen 1.4.4

Fri Jun 26 15:47:23 2009

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## 1 globus gssapi gsi Module Index

### 1.1 globus gssapi gsi Modules

Here is a list of all modules:

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<a href="#">Activation</a>	<a href="#">2</a>
<a href="#">GSS Req Flags</a>	<a href="#">2</a>
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## 2 globus gssapi gsi Directory Hierarchy

### 2.1 globus gssapi gsi Directories

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

<a href="#">library</a>	<a href="#">4</a>
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## 3 globus gssapi gsi Page Index

### 3.1 globus gssapi gsi Related Pages

Here is a list of all related documentation pages:

<a href="#">Deprecated List</a>	<a href="#">5</a>
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## 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-5.9/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 `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 `pkcs11.h`
- file `pkcs11f.h`
- file `pkcs11t.h`
- 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 **ssl\_locl.h**
- 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.

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