

globus gssapi gsi  
7.5

Generated by Doxygen 1.5.6

Mon Apr 26 16:34:46 2010

# Contents

<b>1</b>	<b>Deprecated List</b>	<b>1</b>
<b>2</b>	<b>Module Index</b>	<b>1</b>
2.1	Modules . . . . .	1
<b>3</b>	<b>Module Documentation</b>	<b>2</b>
3.1	Functions for manipulating a buffer set . . . . .	2
3.2	GSI GSS-API Constants . . . . .	2
3.3	Activation . . . . .	2
3.3.1	Detailed Description . . . . .	2
3.3.2	Define Documentation . . . . .	2
3.4	GSS Req Flags . . . . .	2
3.4.1	Detailed Description . . . . .	3
3.4.2	Define Documentation . . . . .	3
3.5	GSS Ret Flags . . . . .	3
3.5.1	Detailed Description . . . . .	3
3.5.2	Define Documentation . . . . .	3

## 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.

## 2 Module Index

### 2.1 Modules

Here is a list of all modules:

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

## 3 Module Documentation

### 3.1 Functions for manipulating a buffer set

### 3.2 GSI GSS-API Constants

### 3.3 Activation

Globus GSI GSSAPI uses standard Globus module activation and deactivation.

#### Defines

- #define [GLOBUS\\_GSI\\_GSSAPI\\_MODULE](#)

#### 3.3.1 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.

#### 3.3.2 Define Documentation

##### 3.3.2.1 #define GLOBUS\_GSI\_GSSAPI\_MODULE

Module descriptor.

## 3.4 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

### 3.4.1 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).

### 3.4.2 Define Documentation

#### 3.4.2.1 #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

#### 3.4.2.2 #define GSS\_C\_GLOBUS\_DELEGATE\_LIMITED\_PROXY\_FLAG 4096

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

#### 3.4.2.3 #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.

## 3.5 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

### 3.5.1 Detailed Description

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

### 3.5.2 Define Documentation

#### 3.5.2.1 #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).

#### 3.5.2.2 #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.

# Index

Activation, [1](#)

Functions for manipulating a buffer set, [1](#)

globus\_gsi\_gss\_requested\_context\_flags  
    GSS\_C\_GLOBUS\_ACCEPT\_PROXY\_-  
        SIGNED\_BY\_LIMITED\_PROXY\_FLAG,  
        [2](#)  
    GSS\_C\_GLOBUS\_DELEGATE\_LIMITED\_-  
        PROXY\_FLAG, [2](#)  
    GSS\_C\_GLOBUS\_DONT\_ACCEPT\_-  
        LIMITED\_PROXY\_FLAG, [2](#)  
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, [1](#)  
GSS Req Flags, [2](#)  
GSS Ret Flags, [2](#)  
GSS\_C\_GLOBUS\_ACCEPT\_PROXY\_SIGNED\_-  
    BY\_LIMITED\_PROXY\_FLAG  
    globus\_gsi\_gss\_requested\_context\_flags, [2](#)  
GSS\_C\_GLOBUS\_DELEGATE\_LIMITED\_-  
    PROXY\_FLAG  
    globus\_gsi\_gss\_requested\_context\_flags, [2](#)  
GSS\_C\_GLOBUS\_DONT\_ACCEPT\_LIMITED\_-  
    PROXY\_FLAG  
    globus\_gsi\_gss\_requested\_context\_flags, [2](#)  
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](#)