globus openssl module Reference Manual

0.6

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1 Globus OpenSSL activation/deactivation

The globus_openssl library is motivated by the desire to make OpenSSL thread safe. This is done by allocating a mutex pool and setting relevant callback functions in the module activation functions.

Any program that uses OpenSSL functions must include "globus_openssl.h".

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2.1 globus openssl module Modules

Here is a list of all modules:

3 globus openssl module Module Documentation

3.1 Activation

Globus OpenSSL uses standard Globus module activation and deactivation.

Defines

- #define GLOBUS_OPENSSL_MODULE

3.1.1 Detailed Description

Globus OpenSSL uses standard Globus module activation and deactivation.

Before any OpenSSL functions are called, the following function must be called:

```
globus_module_activate(GLOBUS_OPENSSL_MODULE)
```

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

To deactivate the OpenSSL module , the following function must be called:

```
globus_module_deactivate(GLOBUS_OPENSSL_MODULE)
```

This function should be called once for each time OpenSSL was activated.

3.1.2 Define Documentation

3.1.2.1 #define GLOBUS_OPENSSL_MODULE

Module descriptor.

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