

NAME

gnutls_global_init - API function

SYNOPSIS

```
#include <gnutls/gnutls.h>
```

```
int gnutls_global_init( void);
```

ARGUMENTS

void

DESCRIPTION

Since GnuTLS 3.3.0 this function is no longer necessary to be explicitly called. To disable the implicit call (in a library constructor) of this function set the environment variable **GNUTLS_NO_IMPLICIT_INIT** to 1.

This function performs any required precalculations, detects the supported CPU capabilities and initializes the underlying cryptographic backend. In order to free any resources taken by this call you should **gnutls_global_deinit()** when gnutls usage is no longer needed.

This function increments a global counter, so that **gnutls_global_deinit()** only releases resources when it has been called as many times as **gnutls_global_init()**. This is useful when GnuTLS is used by more than one library in an application. This function can be called many times, but will only do something the first time. It is thread safe since GnuTLS 3.3.0.

A subsequent call of this function if the initial has failed will return the same error code.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, otherwise a negative error code is returned.

REPORTING BUGS

Report bugs to <bugs@gnutls.org>.

Home page: <https://www.gnutls.org>

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SEE ALSO

The full documentation for **gnutls** is maintained as a Texinfo manual. If the `/usr/local/share/doc/gnutls/` directory does not contain the HTML form visit

<https://www.gnutls.org/manual/>