

**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>

**COPYRIGHT**

Copyright (C) 2001- Free Software Foundation, Inc., and others.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

**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/>