

NAME

gnutls_fips140_set_mode - API function

SYNOPSIS

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

```
void gnutls_fips140_set_mode(gnutls_fips_mode_t mode, unsigned flags);
```

ARGUMENTS

gnutls_fips_mode_t *mode*

the FIPS140-2 mode to switch to

unsigned *flags*

should be zero or **GNUTLS_FIPS140_SET_MODE_THREAD**

DESCRIPTION

That function is not thread-safe when changing the mode with no flags (globally), and should be called prior to creating any threads. Its behavior with no flags after threads are created is undefined.

When the flag **GNUTLS_FIPS140_SET_MODE_THREAD** is specified then this call will change the FIPS140-2 mode for this particular thread and not for the whole process. That way an application can utilize this function to set and reset mode for specific operations.

This function never fails but will be a no-op if used when the library is not in FIPS140-2 mode. When asked to switch to unknown values for *mode* or to **GNUTLS_FIPS140_SELFTESTS** mode, the library switches to **GNUTLS_FIPS140_STRICT** mode.

SINCE

3.6.2

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/>