

**NAME**

gnutls\_fips140\_run\_self\_tests - API function

**SYNOPSIS**

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

```
int gnutls_fips140_run_self_tests( void);
```

**ARGUMENTS**

void

**DESCRIPTION**

Manually perform the second round of the FIPS140 self-tests, including:

- Known answer tests (KAT) for the selected set of symmetric cipher, MAC, public key, KDF, and DRBG
- Library integrity checks

Upon failure with FIPS140 mode enabled, it makes the library unusable. This function is not thread-safe.

**RETURNS**

0 upon success, a negative error code otherwise

**SINCE**

3.7.7

**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/>