

**NAME**

gnutls\_fips140\_push\_context - API function

**SYNOPSIS**

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

```
int gnutls_fips140_push_context(gnutls_fips140_context_t context);
```

**ARGUMENTS**

gnutls\_fips140\_context\_t context  
a **gnutls\_fips140\_context\_t**

**DESCRIPTION**

Associate the FIPS *context* to the current thread, diverting the currently active context. If a cryptographic operation is ongoing in the current thread, e.g., **gnutls\_aead\_cipher\_init()** is called but **gnutls\_aead\_cipher\_deinit()** is not yet called, it returns an error **GNUTLS\_E\_INVALID\_REQUEST**.

The operation state of *context* will be reset to **GNUTLS\_FIPS140\_OP\_INITIAL**.

This function is no-op if FIPS140 is not compiled in nor enabled at run-time.

**RETURNS**

0 upon success, a negative error code otherwise

**SINCE**

3.7.3

**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/>