

NAME

gnutls_x509_crq_sign2 - API function

SYNOPSIS

```
#include <gnutls/x509.h>
```

```
int gnutls_x509_crq_sign2(gnutls_x509_crq_t crq, gnutls_x509_privkey_t key,  
gnutls_digest_algorithm_t dig, unsigned int flags);
```

ARGUMENTS

gnutls_x509_crq_t crq
should contain a **gnutls_x509_crq_t** type

gnutls_x509_privkey_t key
holds a private key

gnutls_digest_algorithm_t dig
The message digest to use, i.e., **GNUTLS_DIG_SHA256**

unsigned int flags
must be 0

DESCRIPTION

This function will sign the certificate request with a private key. This must be the same key as the one used in **gnutls_x509 crt_set_key()** since a certificate request is self signed.

This must be the last step in a certificate request generation since all the previously set parameters are now signed.

A known limitation of this function is, that a newly-signed request will not be fully functional (e.g., for signature verification), until it is exported and re-imported.

After GnuTLS 3.6.1 the value of *dig* may be **GNUTLS_DIG_UNKNOWN**, and in that case, a suitable but reasonable for the key algorithm will be selected.

RETURNS

GNUTLS_E_SUCCESS on success, otherwise a negative error code.

GNUTLS_E_ASN1_VALUE_NOT_FOUND is returned if you didn't set all information in the certificate request (e.g., the version using **gnutls_x509_crq_set_version()**).

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/>