

NAME

gnutls_x509_crq_privkey_sign - API function

SYNOPSIS

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

```
int gnutls_x509_crq_privkey_sign(gnutls_x509_crq_t crq, gnutls_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_privkey_t *key*

holds a private key

gnutls_digest_algorithm_t *dig*

The message digest to use, i.e., **GNUTLS_DIG_SHA1**

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()**).

SINCE

2.12.0

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/>