

NAME

gnutls_x509_crl_privkey_sign - API function

SYNOPSIS

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

```
int gnutls_x509_crl_privkey_sign(gnutls_x509_crl_t crl, gnutls_x509_cert_t issuer, gnutls_privkey_t issuer_key, gnutls_digest_algorithm_t dig, unsigned int flags);
```

ARGUMENTS

gnutls_x509_crl_t *crl*

should contain a gnutls_x509_crl_t type

gnutls_x509_cert_t *issuer*

is the certificate of the certificate issuer

gnutls_privkey_t *issuer_key*

holds the issuer's private key

gnutls_digest_algorithm_t *dig*

The message digest to use. GNUTLS_DIG_SHA256 is the safe choice unless you know what you're doing.

unsigned int *flags*

must be 0

DESCRIPTION

This function will sign the CRL with the issuer's private key, and will copy the issuer's information into the CRL.

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

A known limitation of this function is, that a newly-signed CRL 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

On success, **GNUTLS_E_SUCCESS** (0) is returned, otherwise a negative error value.

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/>