

NAME

gnutls_pkcs7_sign - API function

SYNOPSIS

```
#include <gnutls/pkcs7.h>
```

```
int gnutls_pkcs7_sign(gnutls_pkcs7_t pkcs7, gnutls_x509_cert_t signer, gnutls_privkey_t signer_key,
const gnutls_datum_t * data, gnutls_pkcs7_attrs_t signed_attrs, gnutls_pkcs7_attrs_t unsigned_attrs,
gnutls_digest_algorithm_t dig, unsigned flags);
```

ARGUMENTS

gnutls_pkcs7_t pkcs7

should contain a **gnutls_pkcs7_t** type

gnutls_x509_cert_t signer

the certificate to sign the structure

gnutls_privkey_t signer_key

the key to sign the structure

const gnutls_datum_t * data

The data to be signed or **NULL** if the data are already embedded

gnutls_pkcs7_attrs_t signed_attrs

Any additional attributes to be included in the signed ones (or **NULL**)

gnutls_pkcs7_attrs_t unsigned_attrs

Any additional attributes to be included in the unsigned ones (or **NULL**)

gnutls_digest_algorithm_t dig

The digest algorithm to use for signing

unsigned flags

Should be zero or one of **GNUTLS_PKCS7** flags

DESCRIPTION

This function will add a signature in the provided PKCS 7 structure for the provided data. Multiple signatures can be made with different signers.

The available flags are: **GNUTLS_PKCS7_EMBED_DATA**, **GNUTLS_PKCS7_INCLUDE_TIME**,

GNUTLS_PKCS7_INCLUDE_CERT, and **GNUTLS_PKCS7_WRITE_SPKI**. They are explained in the **gnutls_pkcs7_sign_flags** definition.

RETURNS

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

SINCE

3.4.2

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/>