

## NAME

gnutls\_x509\_cert\_get\_fingerprint - API function

## SYNOPSIS

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

```
int gnutls_x509_cert_get_fingerprint(gnutls_x509_cert_t cert, gnutls_digest_algorithm_t algo, void * buf,
size_t * buf_size);
```

## ARGUMENTS

gnutls\_x509\_cert\_t cert

should contain a **gnutls\_x509\_cert\_t** type

gnutls\_digest\_algorithm\_t algo

is a digest algorithm

void \* buf a pointer to a structure to hold the fingerprint (may be null)

size\_t \* buf\_size

initially holds the size of *buf*

## DESCRIPTION

This function will calculate and copy the certificate's fingerprint in the provided buffer. The fingerprint is a hash of the DER-encoded data of the certificate.

If the buffer is null then only the size will be filled.

## RETURNS

**GNUTLS\_E\_SHORT\_MEMORY\_BUFFER** if the provided buffer is not long enough, and in that case the *\*buf\_size* will be updated with the required size. On success 0 is returned.

## REPORTING BUGS

Report bugs to <bugs@gnutls.org>.

Home page: <https://www.gnutls.org>

## COPYRIGHT

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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/>