

NAME

gnutls_fingerprint - API function

SYNOPSIS

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

```
int gnutls_fingerprint(gnutls_digest_algorithm_t algo, const gnutls_datum_t * data, void * result, size_t * result_size);
```

ARGUMENTS

gnutls_digest_algorithm_t algo
is a digest algorithm

const gnutls_datum_t * data
is the data

void * result is the place where the result will be copied (may be null).

size_t * result_size
should hold the size of the result. The actual size of the returned result will also be copied there.

DESCRIPTION

This function will calculate a fingerprint (actually a hash), of the given data. The result is not printable data. You should convert it to hex, or to something else printable.

This is the usual way to calculate a fingerprint of an X.509 DER encoded certificate. Note however that the fingerprint of an OpenPGP certificate is not just a hash and cannot be calculated with this function.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, otherwise an error code is returned.

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/>