

NAME

gnutls_certificate_get_x509_crt - API function

SYNOPSIS

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

```
int gnutls_certificate_get_x509_crt(gnutls_certificate_credentials_t res, unsigned index,  
gnutls_x509_crt_t ** crt_list, unsigned * crt_list_size);
```

ARGUMENTS

gnutls_certificate_credentials_t res
is a **gnutls_certificate_credentials_t** type.

unsigned index
The index of the certificate list to obtain.

gnutls_x509_crt_t ** crt_list
Where to store the certificate list.

unsigned * crt_list_size
Will hold the number of certificates.

DESCRIPTION

Obtains a X.509 certificate list that has been stored in *res* with one of **gnutls_certificate_set_x509_key()**, **gnutls_certificate_set_key()**, **gnutls_certificate_set_x509_key_file()**, **gnutls_certificate_set_x509_key_file2()**, **gnutls_certificate_set_x509_key_mem()**, or **gnutls_certificate_set_x509_key_mem2()**. Each certificate in the returned certificate list must be deallocated with **gnutls_x509_crt_deinit()**, and the list itself must be freed with **gnutls_free()**.

The *index* matches the return value of **gnutls_certificate_set_x509_key()** and friends functions, when the **GNUTLS_CERTIFICATE_API_V2** flag is set.

If there is no certificate with the given index, **GNUTLS_E_REQUESTED_DATA_NOT_AVAILABLE** is returned. If the certificate with the given index is not a X.509 certificate, **GNUTLS_E_INVALID_REQUEST** is returned. The returned certificates must be deinitialized after use, and the *crt_list* pointer must be freed using **gnutls_free()**.

RETURNS

GNUTLS_E_SUCCESS (0) on success, or a negative error code.

SINCE

3.4.0

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/>