

NAME

gnutls_certificate_set_x509_key - API function

SYNOPSIS

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

```
int gnutls_certificate_set_x509_key(gnutls_certificate_credentials_t res, gnutls_x509 crt_t * cert_list,  
int cert_list_size, gnutls_x509_privkey_t key);
```

ARGUMENTS

gnutls_certificate_credentials_t res

is a **gnutls_certificate_credentials_t** type.

gnutls_x509 crt_t * cert_list

contains a certificate list (path) for the specified private key

int cert_list_size

holds the size of the certificate list

gnutls_x509_privkey_t key

is a **gnutls_x509_privkey_t** key

DESCRIPTION

This function sets a certificate/private key pair in the `gnutls_certificate_credentials_t` type. This function may be called more than once, in case multiple keys/certificates exist for the server. For clients that wants to send more than their own end entity certificate (e.g., also an intermediate CA cert) then put the certificate chain in `cert_list`.

Note that the certificates and keys provided, can be safely deinitialized after this function is called.

If that function fails to load the `res` type is at an undefined state, it must not be reused to load other keys or certificates.

Note that, this function by default returns zero on success and a negative value on error. Since 3.5.6, when the flag **GNUTLS_CERTIFICATE_API_V2** is set using **gnutls_certificate_set_flags()** it returns an index (greater or equal to zero). That index can be used to other functions to refer to the added key-pair.

RETURNS

On success this functions returns zero, and otherwise a negative value on error (see above for

modifying that behavior).

SINCE

2.4.0

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/>