

NAME

gnutls_certificate_set_key - API function

SYNOPSIS

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

```
int gnutls_certificate_set_key(gnutls_certificate_credentials_t res, const char ** names, int names_size,
gnutls_pcert_st * pcert_list, int pcert_list_size, gnutls_privkey_t key);
```

ARGUMENTS

gnutls_certificate_credentials_t res

is a **gnutls_certificate_credentials_t** type.

const char ** names

is an array of DNS names belonging to the public-key (NULL if none)

int names_size

holds the size of the names list

gnutls_pcert_st * pcert_list

contains a certificate list (chain) or raw public-key

int pcert_list_size

holds the size of the certificate list

gnutls_privkey_t key

is a **gnutls_privkey_t** key corresponding to the first public-key in pcert_list

DESCRIPTION

This function sets a public/private key pair in the `gnutls_certificate_credentials_t` type. The given public key may be encapsulated in a certificate or can be given as a raw key. This function may be called more than once, in case multiple key pairs exist for the server. For clients that want to send more than their own end- entity certificate (e.g., also an intermediate CA cert), the full certificate chain must be provided in `pcert_list`.

Note that the `key` will become part of the credentials structure and must not be deallocated. It will be automatically deallocated when the `res` structure is deinitialized.

If this function fails, the `res` structure is at an undefined state and 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 for other functions to refer to the added key-pair.

Since GnuTLS 3.6.6 this function also handles raw public keys.

RETURNS

On success this functions returns zero, and otherwise a negative value on error (see above for modifying that behavior).

SINCE

3.0

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/>