

NAME

gnutls_x509_crq_get_key_id - API function

SYNOPSIS

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

```
int gnutls_x509_crq_get_key_id(gnutls_x509_crq_t crq, unsigned int flags, unsigned char *  
output_data, size_t * output_data_size);
```

ARGUMENTS

gnutls_x509_crq_t crq

a certificate of type **gnutls_x509_crq_t**

unsigned int flags

should be one of the flags from **gnutls_keyid_flags_t**

unsigned char * output_data

will contain the key ID

size_t * output_data_size

holds the size of output_data (and will be replaced by the actual size of parameters)

DESCRIPTION

This function will return a unique ID that depends on the public key parameters. This ID can be used in checking whether a certificate corresponds to the given private key.

If the buffer provided is not long enough to hold the output, then * *output_data_size* is updated and **GNUTLS_E_SHORT_MEMORY_BUFFER** will be returned. The output will normally be a SHA-1 hash output, which is 20 bytes.

RETURNS

In case of failure a negative error code will be returned, and 0 on success.

SINCE

2.8.0

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/>