

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>

COPYRIGHT

Copyright (C) 2001- Free Software Foundation, Inc., and others.

Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved.

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/>