gnutls

#### **NAME**

```
gnutls_x509_crt_get_key_id - API function
```

### **SYNOPSIS**

#include <gnutls/x509.h>

int gnutls\_x509\_crt\_get\_key\_id(gnutls\_x509\_crt\_t crt, unsigned int flags, unsigned char \* output\_data, size t \* output data size);

### **ARGUMENTS**

```
gnutls_x509_crt_t crt

Holds the certificate
```

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.

## REPORTING BUGS

Report bugs to <bugs@gnutls.org>.<br/>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/