

NAME

gnutls_ocsp_resp_get_single - API function

SYNOPSIS

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

```
int gnutls_ocsp_resp_get_single(gnutls_ocsp_resp_const_t resp, unsigned indx,
gnutls_digest_algorithm_t * digest, gnutls_datum_t * issuer_name_hash, gnutls_datum_t *
issuer_key_hash, gnutls_datum_t * serial_number, unsigned int * cert_status, time_t * this_update,
time_t * next_update, time_t * revocation_time, unsigned int * revocation_reason);
```

ARGUMENTS

gnutls_ocsp_resp_const_t resp

should contain a **gnutls_ocsp_resp_t** type

unsigned indx Specifies response number to get. Use (0) to get the first one.

gnutls_digest_algorithm_t * digest

output variable with **gnutls_digest_algorithm_t** hash algorithm

gnutls_datum_t * issuer_name_hash

output buffer with hash of issuer's DN

gnutls_datum_t * issuer_key_hash

output buffer with hash of issuer's public key

gnutls_datum_t * serial_number

output buffer with serial number of certificate to check

unsigned int * cert_status

a certificate status, a **gnutls_ocsp_cert_status_t** enum.

time_t * this_update

time at which the status is known to be correct.

time_t * next_update

when newer information will be available, or (time_t)-1 if unspecified

time_t * revocation_time

when *cert_status* is **GNUTLS_OCSP_CERT_REVOKED**, holds time of revocation.

unsigned int * revocation_reason
revocation reason, a **gnutls_x509_crl_reason_t** enum.

DESCRIPTION

This function will return the certificate information of the *indx*'ed response in the Basic OCSP Response *resp*. The information returned corresponds to the OCSP SingleResponse structure except the final singleExtensions.

Each of the pointers to output variables may be NULL to indicate that the caller is not interested in that value.

RETURNS

On success, **GNUTLS_E_SUCCESS** (0) is returned, otherwise a negative error code is returned. If you have reached the last CertID available **GNUTLS_E_REQUESTED_DATA_NOT_AVAILABLE** will be returned.

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/>