

## NAME

gnutls\_ocsp\_resp\_verify - API function

## SYNOPSIS

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

```
int gnutls_ocsp_resp_verify(gnutls_ocsp_resp_const_t resp, gnutls_x509_trust_list_t trustlist, unsigned int * verify, unsigned int flags);
```

## ARGUMENTS

gnutls\_ocsp\_resp\_const\_t resp

should contain a **gnutls\_ocsp\_resp\_t** type

gnutls\_x509\_trust\_list\_t trustlist

trust anchors as a **gnutls\_x509\_trust\_list\_t** type

unsigned int \* verify

output variable with verification status, an **gnutls\_ocsp\_verify\_reason\_t**

unsigned int flags

verification flags from **gnutls\_certificate\_verify\_flags**

## DESCRIPTION

Verify signature of the Basic OCSP Response against the public key in the certificate of a trusted signer. The *trustlist* should be populated with trust anchors. The function will extract the signer certificate from the Basic OCSP Response and will verify it against the *trustlist*. A trusted signer is a certificate that is either in *trustlist*, or it is signed directly by a certificate in *trustlist* and has the id-ad-ocspSigning Extended Key Usage bit set.

The output *verify* variable will hold verification status codes (e.g.,

**GNUTLS\_OCSP\_VERIFY\_SIGNER\_NOT\_FOUND,**

**GNUTLS\_OCSP\_VERIFY\_INSECURE\_ALGORITHM**) which are only valid if the function returned

**GNUTLS\_E\_SUCCESS**.

Note that the function returns **GNUTLS\_E\_SUCCESS** even when verification failed. The caller must always inspect the *verify* variable to find out the verification status.

The *flags* variable should be 0 for now.

## RETURNS

On success, **GNUTLS\_E\_SUCCESS** (0) is returned, otherwise a negative error value.

## 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/>