

**NAME**

gnutls\_certificate\_verify\_peers2 - API function

**SYNOPSIS**

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

```
int gnutls_certificate_verify_peers2(gnutls_session_t session, unsigned int * status);
```

**ARGUMENTS**

gnutls\_session\_t session  
is a gnutls session

unsigned int \* status  
is the output of the verification

**DESCRIPTION**

This function will verify the peer's certificate and store the status in the *status* variable as a bitwise OR of `gnutls_certificate_status_t` values or zero if the certificate is trusted. Note that value in *status* is set only when the return value of this function is success (i.e, failure to trust a certificate does not imply a negative return value). The default verification flags used by this function can be overridden using `gnutls_certificate_set_verify_flags()`.

This function will take into account the stapled OCSP responses sent by the server, as well as the following X.509 certificate extensions: Name Constraints, Key Usage, and Basic Constraints (pathlen).

Note that you must also check the peer's name in order to check if the verified certificate belongs to the actual peer, see `gnutls_x509 crt_check_hostname()`, or use `gnutls_certificate_verify_peers3()`.

To avoid denial of service attacks some default upper limits regarding the certificate key size and chain size are set. To override them use `gnutls_certificate_set_verify_limits()`.

Note that when using raw public-keys verification will not work because there is no corresponding certificate body belonging to the raw key that can be verified. In that case this function will return `GNUTLS_E_INVALID_REQUEST`.

**RETURNS**

`GNUTLS_E_SUCCESS` (0) when the validation is performed, or a negative error code otherwise. A successful error code means that the *status* parameter must be checked to obtain the validation status.

**REPORTING BUGS**

Report bugs to <[bugs@gnutls.org](mailto: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/>