NAME
      gnutls_rehandshake - API function

SYNOPSIS
      #include <gnutls/gnutls.h>

      int gnutls_rehandshake(gnutls_session_t *session***);**

ARGUMENTS
      gnutls_session_t session
                        is a **gnutls_session_t** type.

DESCRIPTION
      This function can only be called in server side, and instructs a TLS 1.2 or earlier client to renegotiate
      parameters (perform a handshake), by sending a hello request message.

      If this function succeeds, the calling application should call **gnutls_record_recv()** until
      GNUTLS_E_REHANDSHAKE is returned to clear any pending data. If the
      GNUTLS_E_REHANDSHAKE error code is not seen, then the handshake request was not followed
      by the peer (the TLS protocol does not require the client to do, and such compliance should be handled
      by the application protocol).

      Once the **GNUTLS_E_REHANDSHAKE** error code is seen, the calling application should proceed to
      calling **gnutls_handshake()** to negotiate the new parameters.

      If the client does not wish to renegotiate parameters he may reply with an alert message, and in that
      case the return code seen by subsequent **gnutls_record_recv()** will be
      GNUTLS_E_WARNING_ALERT_RECEIVED with the specific alert being
      GNUTLS_A_NO_RENEGOTIATION. A client may also choose to ignore this request.

      Under TLS 1.3 this function is equivalent to **gnutls_session_key_update()** with the
      GNUTLS_KU_PEER flag. In that case subsequent calls to **gnutls_record_recv()** will not return
      GNUTLS_E_REHANDSHAKE, and calls to **gnutls_handshake()** in server side are a no-op.

      This function always fails with **GNUTLS_E_INVALID_REQUEST** when called in client side.

RETURNS
      GNUTLS_E_SUCCESS on success, otherwise a negative error code.

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/