

gnutls_transport_set_pull_timeout_function(3) gnutls gnutls_transport_set_pull_timeout_function(3)

NAME

gnutls_transport_set_pull_timeout_function - API function

SYNOPSIS

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

```
void gnutls_transport_set_pull_timeout_function(gnutls_session_t session, gnutls_pull_timeout_func func);
```

ARGUMENTS

gnutls_session_t session
is a **gnutls_session_t** type.

gnutls_pull_timeout_func func
a callback function

DESCRIPTION

This is the function where you set a function for gnutls to know whether data are ready to be received. It should wait for data a given time frame in milliseconds. The callback should return 0 on timeout, a positive number if data can be received, and -1 on error. You'll need to override this function if **select()** is not suitable for the provided transport calls.

As with **select()**, if the timeout value is zero the callback should return zero if no data are immediately available. The special value **GNUTLS_INDEFINITE_TIMEOUT** indicates that the callback should wait indefinitely for data.

gnutls_pull_timeout_func is of the form, int (*gnutls_pull_timeout_func)(gnutls_transport_ptr_t, unsigned int ms);

This callback is necessary when **gnutls_handshake_set_timeout()** or **gnutls_record_set_timeout()** are set, under TLS1.3 and for enforcing the DTLS mode timeouts when in blocking mode.

For compatibility with future GnuTLS versions this callback must be set when a custom pull function is registered. The callback will not be used when the session is in TLS mode with non-blocking sockets. That is, when **GNUTLS_NONBLOCK** is specified for a TLS session in **gnutls_init()**.

The helper function **gnutls_system_recv_timeout()** is provided to simplify writing callbacks.

SINCE

3.0

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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/>