NAME

curl_easy_send - sends raw data over an "easy" connection

SYNOPSIS

#include <curl/easy.h>

CURLcode curl_easy_send(CURL **curl*, **const void** **buffer*, **size_t** *buflen*, **size_t** **n***);**

DESCRIPTION

This function sends arbitrary data over the established connection. You may use it together with *curl_easy_recv(3)* to implement custom protocols using libcurl. This functionality can be particularly useful if you use proxies and/or SSL encryption: libcurl will take care of proxy negotiation and connection setup.

buffer is a pointer to the data of length **buflen** that you want sent. The variable **n** points to will receive the number of sent bytes.

To establish the connection, set **CURLOPT_CONNECT_ONLY** option before calling *curl_easy_perform(3)*. Note that *curl_easy_send(3)* will not work on connections that were created without this option.

You must ensure that the socket is writable before calling *curl_easy_send(3)*, otherwise the call will return **CURLE_AGAIN** - the socket is used in non-blocking mode internally. Use *curl_easy_getinfo(3)* with **CURLINFO_LASTSOCKET** to obtain the socket; use your operating system facilities like *select(2)* to check if it can be written to.

AVAILABILITY

Added in 7.18.2.

RETURN VALUE

On success, returns **CURLE_OK** and stores the number of bytes actually sent into ***n**. Note that this may very well be less than the amount you wanted to send.

On failure, returns the appropriate error code.

EXAMPLE

See **sendrecv.c** in **docs/examples** directory for usage example.

SEE ALSO

curl_easy_setopt(3), **curl_easy_perform**(3), **curl_easy_getinfo**(3), **curl_easy_recv**(3)