

NAME

CURLOPT_WS_OPTIONS – WebSocket behavior options

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_WS_OPTIONS, long bitmask);
```

DESCRIPTION

Pass a long with a bitmask to tell libcurl about specific WebSocket behaviors.

To detach a WebSocket connection and use the *curl_ws_send(3)* and *curl_ws_recv(3)* functions after the HTTP upgrade procedure, set the *CURLOPT_CONNECT_ONLY(3)* option to 2L.

Available bits in the bitmask

CURLWS_RAW_MODE (1)

Deliver "raw" WebSocket traffic to the *CURLOPT_WRITEFUNCTION(3)* callback. Read "raw" WebSocket traffic from the *CURLOPT_READFUNCTION(3)* callback.

In raw mode, libcurl does not handle pings or any other frame for the application.

CURLWS_NOAUTOPONG (2)

Disable the automatic reply to PING messages. This means users must send a PONG message with *curl_ws_send(3)*. This feature is added with version 8.14.0.

DEFAULT

0

PROTOCOLS

This functionality affects ws only

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        curl_easy_setopt(curl, CURLOPT_URL, "ws://example.com/");
        /* tell curl we deal with all the WebSocket logic ourselves */
        curl_easy_setopt(curl, CURLOPT_WS_OPTIONS, CURLWS_RAW_MODE);
        result = curl_easy_perform(curl);
        curl_easy_cleanup(curl);
    }
}
```

HISTORY

CURLWS_RAW_MODE and **CURLWS_NOAUTOPONG** macros became *long* types in 8.16.0, prior to this version a *long* cast was necessary when passed to *curl_easy_setopt(3)*.

AVAILABILITY

Added in curl 7.86.0

RETURN VALUE

curl_easy_setopt(3) returns a CURLcode indicating success or error.

CURLE_OK (0) means everything was OK, non-zero means an error occurred, see *libcurl-errors(3)*.

SEE ALSO

CURLOPT_CONNECT_ONLY(3), **curl_ws_recv(3)**, **curl_ws_send(3)**