

NAME

CURLOPT_COPYPOSTFIELDS – have libcurl copy data to POST

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_COPYPOSTFIELDS, char *data);
```

DESCRIPTION

Pass a char pointer as parameter, which should be the full *data* to post in a HTTP POST operation. It behaves as the *CURLOPT_POSTFIELDS(3)* option, but the original data is instead copied by the library, allowing the application to overwrite the original data after setting this option.

Because data is copied, care must be taken when using this option in conjunction with *CURLOPT_POSTFIELDSIZE(3)* or *CURLOPT_POSTFIELDSIZE_LARGE(3)*. If the size has not been set prior to *CURLOPT_COPYPOSTFIELDS(3)*, the data is assumed to be a null-terminated string; else the stored size informs the library about the byte count to copy. In any case, the size must not be changed after *CURLOPT_COPYPOSTFIELDS(3)*, unless another *CURLOPT_POSTFIELDS(3)* or *CURLOPT_COPYPOSTFIELDS(3)* option is set.

The application does not have to keep the string around after setting this option.

Using this option multiple times makes the last set string override the previous ones. Set it to NULL to disable its use again.

DEFAULT

NULL

PROTOCOLS

This functionality affects http, mqtt and rtsp

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        char local_buffer[1024]="data to send";
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com");

        /* size of the data to copy from the buffer and send in the request */
        curl_easy_setopt(curl, CURLOPT_POSTFIELDSIZE, 12L);

        /* send data from the local stack */
        curl_easy_setopt(curl, CURLOPT_COPYPOSTFIELDS, local_buffer);

        result = curl_easy_perform(curl);
        curl_easy_cleanup(curl);
    }
}
```

AVAILABILITY

Added in curl 7.17.1

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_MIMEPOST(3), **CURLOPT_POSTFIELDS**(3), **CURLOPT_POSTFIELDSIZE**(3),
CURLOPT_UPLOAD(3)