

NAME

CURLOPT_MIME_OPTIONS – set MIME option flags

SYNOPSIS

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

```
CURLcode curl_easy_setopt(CURL *handle, CURLOPT_MIME_OPTIONS, long options);
```

DESCRIPTION

Pass a long that holds a bitmask of options. Each bit is a boolean flag used while encoding a MIME tree or multipart form data.

Available bits are:

CURLMIMEOPT_FORMESCAPE

Tells libcurl to escape multipart form field and filenames using the backslash-escaping algorithm rather than percent-encoding (HTTP only).

Backslash-escaping consists in preceding backslashes and double quotes with a backslash. Percent encoding maps all occurrences of double quote, carriage return and line feed to %22, %0D and %0A respectively.

Before version 7.81.0, percent-encoding was never applied.

HTTP browsers used to do backslash-escaping in the past but have over time transitioned to use percent-encoding. This option allows one to address server-side applications that have not yet have been converted.

As an example, consider field or filename *strangename"kind*. When the containing multipart form is sent, this is normally transmitted as *strangename%22kind*. When this option is set, it is sent as *strangename"kind*.

DEFAULT

0, meaning disabled.

PROTOCOLS

This functionality affects http, imap and smtp

EXAMPLE

```
int main(void)
{
    CURL *curl = curl_easy_init();
    curl_mime *form = NULL;

    if(curl) {
        CURLcode result = CURLE_OK;
        curl_easy_setopt(curl, CURLOPT_URL, "https://example.com");
        curl_easy_setopt(curl, CURLOPT_MIME_OPTIONS, CURLMIMEOPT_FORMESCAPE);

        form = curl_mime_init(curl);
        if(form) {
            curl_mimepart *part = curl_mime_addpart(form);

            if(part) {
                curl_mime_filedata(part, "strange\\file\\name");
                curl_mime_name(part, "strange\\field\\name");
                curl_easy_setopt(curl, CURLOPT_MIMEPOST, form);
            }
        }
    }
}
```

```
    /* Perform the request */
    result = curl_easy_perform(curl);
}

curl_easy_cleanup(curl);
curl_mime_free(form);
}
```

HISTORY

CURLMIMEOPT_FORMESCAPE macro became *long* type in 8.16.0, prior to this version a *long* cast was necessary when passed to *curl_easy_setopt(3)*.

AVAILABILITY

Added in curl 7.81.0

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_HTTPPOST(3), **CURLOPT_MIMEPOST(3)**