

NAME

CURLOPT_PROTOCOLS – allowed protocols

SYNOPSIS

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

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

DESCRIPTION

This option is deprecated. We strongly recommend using *CURLOPT_PROTOCOLS_STR(3)* instead because this option cannot control all available protocols.

Pass a long that holds a bitmask of protocol bits. If used, this bitmask limits what protocols libcurl may use in the transfer. This allows you to have a libcurl built to support a wide range of protocols but still limit specific transfers to only be allowed to use a subset of them. By default libcurl accepts all protocols it supports. See also *CURLOPT_REDIR_PROTOCOLS(3)*.

Note that the old define *CURLPROTO_ALL* no longer enables all protocols a modern curl might support!

These are the available protocol defines:

CURLPROTO_DICT
CURLPROTO_FILE
CURLPROTO_FTP
CURLPROTO_FTPS
CURLPROTO_GOPHER
CURLPROTO_HTTP
CURLPROTO_HTTPS
CURLPROTO_IMAP
CURLPROTO_IMAPS
CURLPROTO_LDAP
CURLPROTO_LDAPS
CURLPROTO_MQTT
CURLPROTO_POP3
CURLPROTO_POP3S
CURLPROTO_RTMP
CURLPROTO_RTMPE
CURLPROTO_RTSP
CURLPROTO_RTSPTE
CURLPROTO_RTSPPTS
CURLPROTO_RTSP
CURLPROTO_SCP
CURLPROTO_SFTP
CURLPROTO_SMB
CURLPROTO_SMBS
CURLPROTO_SMTP
CURLPROTO_SMTPS
CURLPROTO_TELNET
CURLPROTO_TFTP

DEFAULT

All protocols built-in.

PROTOCOLS

This functionality affects all supported protocols

EXAMPLE

```
int main(int argc, char **argv)
{
    CURL *curl = curl_easy_init();
    if(curl) {
        CURLcode result;
        /* pass in the URL from an external source */
        curl_easy_setopt(curl, CURLOPT_URL, argv[1]);

        /* only allow HTTP, TFTP and SFTP */
        curl_easy_setopt(curl, CURLOPT_PROTOCOLS,
                        CURLPROTO_HTTP | CURLPROTO_TFTP | CURLPROTO_SFTP);

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

HISTORY

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

DEPRECATED

Deprecated since 7.85.0.

AVAILABILITY

Added in curl 7.19.4

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_DEFAULT_PROTOCOL(3), **CURLOPT_REDIR_PROTOCOLS(3)**, **CURL-
LOPT_URL(3)**